GI	none	Score	100
Exons	3817..4365, 3817..4305, 3820..4362, 3907..4368, 3935..4366, 4006..4362		

Seq. No.	42578	Seq. ID	OJ000223_03.0330.C26
Gene No.	88769	Strand	+
Start	256	End	662
Name	OJ000223_03.0330.C26.o1.gs	Method	GENSCAN
Start	256	End	662
GI	none	Score	.99
Exons	256..565, 610..662		

Seq. No.	42579	Seq. ID	OJ000223_09.0322.C3
Gene No.	88770	Strand	+
Start	1	End	803
Name	OJ000223_09.0322.C3.o1.np	Method	AAT/NAP
Start	1	End	594
GI	5360754	Score	430
Exons	1..175, 290..335, 448..594		
GI Descrip.	(AB011441) glucose-6-phosphate dehydrogenase [Triticum aestivum]		

Seq. No.	42579	Seq. ID	OJ000223_09.0322.C3
Gene No.	88770	Strand	+
Start	1	End	803
Name	OJ000223_09.0322.C3.o1.gp	Method	AAT/GAP
Start	60	End	803
GI	10963_1.R1084	Score	950
Exons	60..175, 290..335, 448..803		
GI Descrip.	'5360754/dbj\|BAA82155.1\| 2.0e-77 (AB011441) glucose-6-phosphate dehydrogenase [Triticum aestivum]'		

Seq. No.	42579	Seq. ID	OJ000223_09.0322.C3
Gene No.	88770	Strand	+
Start	1	End	803
Name	OJ000223_09.0322.C3.o1.gs	Method	GENSCAN
Start	60	End	618
GI	none	Score	.78
Exons	60..175, 290..335, 448..618		

Seq. No.	42579	Seq. ID	OJ000223_09.0322.C3
Gene No.	88771	Strand	-
Start	1201	End	3277
Name	OJ000223_09.0322.C3.o2.ts	Method	TBLASTX:Soybean
Start	52	End	612
GI	none	Score	62
Exons	52..150, 59..175, 60..176, 287..334, 291..335, 392..598, 442..612, 444..611		

Seq. No.	42579	Seq. ID	OJ000223_09.0322.C3
Gene No.	88771	Strand	-
Start	1201	End	3277
Name	OJ000223_09.0322.C3.o2.tm	Method	TBLASTX:Maize
Start	59	End	764
GI	none	Score	197
Exons	59..175, 60..176, 64..177, 287..331, 291..335, 442..618, 447..632, 447..617, 732..761, 732..764		

Seq. No.	42579	Seq. ID	OJ000223_09.0322.C3
Gene No.	88771	Strand	-
Start	1201	End	3277
Name	OJ000223_09.0322.C3.o3.tc	Method	TBLASTX:Cress
Start	59	End	546
GI	none	Score	160
Exons	59..175, 60..176, 287..337, 291..338, 442..477, 490..546		

Seq. No.	42579	Seq. ID	OJ000223_09.0322.C3
Gene No.	88771	Strand	-
Start	1201	End	3277
Name	OJ000223_09.0322.C3.o2.np	Method	AAT/NAP
Start	1165	End	3049
GI	6754906	Score	892
Exons	1165..1420, 1528..2096, 2929..3049		
GI Descrip.	nucleotide binding protein 1 gi\|6018193\|gb\|AAF01786.1\|AF114170_1 (AF114170) nucleotide-binding protein long form [Mus musculus]		

Seq. No.	42579	Seq. ID	OJ000223_09.0322.C3
Gene No.	88771	Strand	-
Start	1201	End	3277
Name	OJ000223_09.0322.C3.o1.tm	Method	TBLASTX:Maize
Start	1186	End	3028
GI	none	Score	880
Exons	1186..2097, 1189..2100, 1199..2104, 2926..2976, 2930..3028, 2931..3026		

Seq. No.	42579	Seq. ID	OJ000223_09.0322.C3
Gene No.	88771	Strand	-
Start	1201	End	3277
Name	OJ000223_09.0322.C3.o1.tw	Method	TBLASTX:Wheat
Start	1189	End	1363
GI	none	Score	198
Exons	1189..1362, 1190..1363		

Seq. No.	42579	Seq. ID	OJ000223_09.0322.C3
Gene No.	88771	Strand	-
Start	1201	End	3277
Name	OJ000223_09.0322.C3.o2.gs	Method	GENSCAN
Start	1201	End	3177
GI	none	Score	.81
Exons	1201..2096, 2929..3030, 3135..3177		

Seq. No.	42579	Seq. ID	OJ000223_09.0322.C3
Gene No.	88771	Strand	-
Start	1201	End	3277
Name	OJ000223_09.0322.C3.o3.ts	Method	TBLASTX:Soybean
Start	1294	End	1440
GI	none	Score	148
Exons	1294..1440, 1295..1435, 1300..1440		

Seq. No.	42579	Seq. ID	OJ000223_09.0322.C3
Gene No.	88771	Strand	-
Start	1201	End	3277
Name	OJ000223_09.0322.C3.o1.tc	Method	TBLASTX:Cress
Start	1490	End	1807
GI	none	Score	294

Exons	1490..1711, 1492..1806, 1493..1807		
Seq. No.	42579	Seq. ID	OJ000223_09.0322.C3
Gene No.	88771	Strand	-
Start	1201	End	3277
Name	OJ000223_09.0322.C3.o1.ts	Method	TBLASTX:Soybean
Start	1735	End	3159
GI	none	Score	473
Exons	1735..2100, 1736..2104, 2930..3028, 2931..3026, 3109..3159		
Seq. No.	42579	Seq. ID	OJ000223_09.0322.C3
Gene No.	88771	Strand	-
Start	1201	End	3277
Name	OJ000223_09.0322.C3.o2.tc	Method	TBLASTX:Cress
Start	1909	End	3162
GI	none	Score	167
Exons	1909..2100, 1909..2100, 1913..2104, 2930..3028, 2931..3026, 3109..3162		
Seq. No.	42579	Seq. ID	OJ000223_09.0322.C3
Gene No.	88771	Strand	-
Start	1201	End	3277
Name	OJ000223_09.0322.C3.o2.gp	Method	AAT/GAP
Start	1913	End	3241
GI	60415_1.R1084	Score	735
Exons	1913..2096, 2929..3030, 3135..3241		
GI Descrip.	'4056552/emb\|CAA22587\| 2.0e-30 (AL034583) putative nucleotide binding protein [Schizosaccharomyces pombe]'		
Seq. No.	42579	Seq. ID	OJ000223_09.0322.C3
Gene No.	88771	Strand	-
Start	1201	End	3277
Name	OJ000223_09.0322.C3.o2.tw	Method	TBLASTX:Wheat
Start	2006	End	3277
GI	none	Score	135
Exons	2006..2104, 2006..2089, 2008..2100, 2929..2976, 2930..3040, 2931..3026, 3139..3168, 3139..3162, 3209..3277		
Seq. No.	42580	Seq. ID	OJ000223_09.0322.C4
Gene No.	88772	Strand	+
Start	5477	End	7745
Name	OJ000223_09.0322.C4.o2.gs	Method	GENSCAN
Start	5477	End	7745
GI	none	Score	.78
Exons	5477..5615, 5661..5732, 6973..7745		
Seq. No.	42580	Seq. ID	OJ000223_09.0322.C4
Gene No.	88772	Strand	+
Start	5477	End	7745
Name	OJ000223_09.0322.C4.o1.np	Method	AAT/NAP
Start	6759	End	7739
GI	6728874	Score	856
Exons	6759..7739		
GI Descrip.	(AC008113) F12A21.16 [Arabidopsis thaliana]		
Seq. No.	42580	Seq. ID	OJ000223_09.0322.C4
Gene No.	88772	Strand	+

Start	5477	End	7745
Name	OJ000223_09.0322.C4.o2.gp	Method	AAT/GAP
Start	7325	End	7652
GI	427011	Score	597
Exons	7325..7652		

Seq. No.	42580	Seq. ID	OJ000223_09.0322.C4
Gene No.	88773	Strand	+
Start	9432	End	10020
Name	OJ000223_09.0322.C4.o3.gp	Method	AAT/GAP
Start	9432	End	10020
GI	none	Score	1162
Exons	9432..10020		

Seq. No.	42580	Seq. ID	OJ000223_09.0322.C4
Gene No.	88774	Strand	+
Start	14948	End	15755
Name	OJ000223_09.0322.C4.o4.gs	Method	GENSCAN
Start	14948	End	15755
GI	none	Score	.76
Exons	14948..14985, 15352..15435, 15450..15557, 15629..15755		

Seq. No.	42580	Seq. ID	OJ000223_09.0322.C4
Gene No.	88775	Strand	-
Start	1208	End	3708
Name	OJ000223_09.0322.C4.o1.gs	Method	GENSCAN
Start	1208	End	3708
GI	none	Score	.59
Exons	1208..1312, 1445..1502, 3068..3382, 3620..3708		

Seq. No.	42580	Seq. ID	OJ000223_09.0322.C4
Gene No.	88776	Strand	-
Start	9201	End	11822
Name	OJ000223_09.0322.C4.o3.tm	Method	TBLASTX:Maize
Start	6784	End	7072
GI	none	Score	130
Exons	6784..6993, 6785..7009, 6786..6911, 6787..6993, 6998..7033, 6999..7070, 7021..7071, 7022..7072		

Seq. No.	42580	Seq. ID	OJ000223_09.0322.C4
Gene No.	88776	Strand	-
Start	9201	End	11822
Name	OJ000223_09.0322.C4.o2.tc	Method	TBLASTX:Cress
Start	6962	End	7139
GI	none	Score	208
Exons	6962..7129, 6993..7139		

Seq. No.	42580	Seq. ID	OJ000223_09.0322.C4
Gene No.	88776	Strand	-
Start	9201	End	11822
Name	OJ000223_09.0322.C4.o2.ts	Method	TBLASTX:Soybean
Start	7056	End	7324
GI	none	Score	116
Exons	7056..7139, 7082..7159, 7160..7324, 7164..7319		

Seq. No.	42580	Seq. ID	OJ000223_09.0322.C4
Gene No.	88776	Strand	-

Start	9201	End	11822
Name	OJ000223_09.0322.C4.o4.tm	Method	TBLASTX:Maize
Start	7077	End	7277
GI	none	Score	190
Exons	7077..7205, 7078..7206, 7079..7204, 7206..7274, 7208..7276, 7209..7277		

Seq. No.	42580	Seq. ID	OJ000223_09.0322.C4
Gene No.	88776	Strand	-
Start	9201	End	11822
Name	OJ000223_09.0322.C4.o1.tm	Method	TBLASTX:Maize
Start	7277	End	7664
GI	none	Score	642
Exons	7277..7663, 7284..7664		

Seq. No.	42580	Seq. ID	OJ000223_09.0322.C4
Gene No.	88776	Strand	-
Start	9201	End	11822
Name	OJ000223_09.0322.C4.o1.tc	Method	TBLASTX:Cress
Start	7452	End	7739
GI	none	Score	232
Exons	7452..7616, 7454..7579, 7458..7610, 7557..7739, 7628..7738		

Seq. No.	42580	Seq. ID	OJ000223_09.0322.C4
Gene No.	88776	Strand	-
Start	9201	End	11822
Name	OJ000223_09.0322.C4.o3.gs	Method	GENSCAN
Start	9201	End	11794
GI	none	Score	.88
Exons	9201..9280, 9795..10125, 10913..11794		

Seq. No.	42580	Seq. ID	OJ000223_09.0322.C4
Gene No.	88776	Strand	-
Start	9201	End	11822
Name	OJ000223_09.0322.C4.o1.ts	Method	TBLASTX:Soybean
Start	9673	End	11096
GI	none	Score	69
Exons	9673..9789, 9811..10131, 10904..11095, 10908..11096		

Seq. No.	42580	Seq. ID	OJ000223_09.0322.C4
Gene No.	88776	Strand	-
Start	9201	End	11822
Name	OJ000223_09.0322.C4.o5.tm	Method	TBLASTX:Maize
Start	9732	End	9885
GI	none	Score	129
Exons	9732..9884, 9733..9885, 9733..9885		

Seq. No.	42580	Seq. ID	OJ000223_09.0322.C4
Gene No.	88776	Strand	-
Start	9201	End	11822
Name	OJ000223_09.0322.C4.o2.tm	Method	TBLASTX:Maize
Start	9886	End	11282
GI	none	Score	116
Exons	9886..10113, 9887..10120, 10930..11196, 10931..11269, 10931..11278, 10941..11282		

Seq. No.	42580	Seq. ID	OJ000223_09.0322.C4

Gene No.	88776	Strand	-
Start	9201	End	11822
Name	OJ000223_09.0322.C4.o1.tw	Method	TBLASTX:Wheat
Start	10023	End	11185
GI	none	Score	99
Exons	10023..10130, 10024..10131, 10024..10182, 10028..10177, 10857..11087, 10904..11092, 10905..11087, 10907..11092, 11095..11172, 11096..11185, 11112..11177		

Seq. No.	42580	Seq. ID	OJ000223_09.0322.C4
Gene No.	88776	Strand	-
Start	9201	End	11822
Name	OJ000223_09.0322.C4.o4.gp	Method	AAT/GAP
Start	11465	End	11822
GI	none	Score	666
Exons	11465..11822		

Seq. No.	42581	Seq. ID	OJ000223_09.0322.C5
Gene No.	88777	Strand	+
Start	1	End	3862
Name	OJ000223_09.0322.C5.o1.np	Method	AAT/NAP
Start	1	End	3862
GI	5042454	Score	255
Exons	1..36, 1102..1367, 3009..3160, 3386..3561, 3809..3862		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	42581	Seq. ID	OJ000223_09.0322.C5
Gene No.	88777	Strand	+
Start	1	End	3862
Name	OJ000223_09.0322.C5.o1.gs	Method	GENSCAN
Start	294	End	2220
GI	none	Score	.41
Exons	294..428, 1390..1570, 2048..2220		

Seq. No.	42581	Seq. ID	OJ000223_09.0322.C5
Gene No.	88778	Strand	+
Start	6607	End	7881
Name	OJ000223_09.0322.C5.o3.gs	Method	GENSCAN
Start	6607	End	7881
GI	none	Score	.99
Exons	6607..7881		

Seq. No.	42581	Seq. ID	OJ000223_09.0322.C5
Gene No.	88779	Strand	+
Start	8930	End	12966
Name	OJ000223_09.0322.C5.o2.np	Method	AAT/NAP
Start	8813	End	12951
GI	322753	Score	842
Exons	8813..9287, 9336..9394, 9437..9485, 10452..10493, 11070..11219, 11680..11883, 12761..12951		
GI Descrip.	DNA-binding protein B2F - common tobacco (fragment) gi\|258168\|gb\|AAB23811.1\| (S46942) Box II Factor, B2F [tobacco, Peptide, 392 aa] [Nicotiana tabacum] gi\|404085\|gb\|AAA34054.1\| (M96432) DNA-binding protein [Nicotiana tabacum]		

Seq. No.	42581	Seq. ID	OJ000223_09.0322.C5
Gene No.	88779	Strand	+

Start	8930	End	12966
Name	OJ000223_09.0322.C5.o4.gs	Method	GENSCAN
Start	8930	End	12966
GI	none	Score	.9
Exons	8930..9485, 10455..10493, 11070..11198, 11656..11883, 12761..12966		

Seq. No.	42581	Seq. ID	OJ000223_09.0322.C5
Gene No.	88780	Strand	+
Start	17913	End	19335
Name	OJ000223_09.0322.C5.o4.gp	Method	AAT/GAP
Start	17806	End	19335
GI	407_7.R1084	Score	963
Exons	17806..17916, 18046..18069, 18163..18263, 18807..18922, 19009..19108, 19208..19335		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	42581	Seq. ID	OJ000223_09.0322.C5
Gene No.	88780	Strand	+
Start	17913	End	19335
Name	OJ000223_09.0322.C5.o6.gs	Method	GENSCAN
Start	17913	End	19108
GI	none	Score	.91
Exons	17913..17916, 18046..18069, 18163..18263, 18499..18642, 18807..18922, 19009..19108		

Seq. No.	42581	Seq. ID	OJ000223_09.0322.C5
Gene No.	88780	Strand	+
Start	17913	End	19335
Name	OJ000223_09.0322.C5.o4.np	Method	AAT/NAP
Start	18042	End	19335
GI	6166167	Score	636
Exons	18042..18069, 18163..18263, 18807..18922, 19009..19108, 19208..19335		
GI Descrip.	GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE, CYTOSOLIC 3 gi\|1184774 (U45856) cytosolic glyceroldehyde-3-phosphate dehydrogenase GAPC3 [Zea mays]		

Seq. No.	42581	Seq. ID	OJ000223_09.0322.C5
Gene No.	88781	Strand	-
Start	14125	End	15550
Name	OJ000223_09.0322.C5.o3.tw	Method	TBLASTX:Wheat
Start	6768	End	7131
GI	none	Score	273
Exons	6768..6974, 6772..6975, 7036..7131		

Seq. No.	42581	Seq. ID	OJ000223_09.0322.C5
Gene No.	88781	Strand	-
Start	14125	End	15550
Name	OJ000223_09.0322.C5.o2.tc	Method	TBLASTX:Cress
Start	9052	End	14375
GI	none	Score	328
Exons	9052..9261, 9053..9277, 9329..9385, 9449..9478, 11033..11137, 11126..11185, 11674..11814, 11675..11815, 11675..11884, 11676..11885, 12799..12879, 12880..12951, 14125..14169, 14292..14375		

Seq. No.	42581	Seq. ID	OJ000223_09.0322.C5
Gene No.	88781	Strand	-
Start	14125	End	15550
Name	OJ000223_09.0322.C5.o3.tm	Method	TBLASTX:Maize
Start	9127	End	9501
GI	none	Score	192
Exons	9127..9267, 9137..9268, 9138..9257, 9327..9356, 9328..9384, 9338..9412, 9451..9501, 9455..9478		

Seq. No.	42581	Seq. ID	OJ000223_09.0322.C5
Gene No.	88781	Strand	-
Start	14125	End	15550
Name	OJ000223_09.0322.C5.o2.ts	Method	TBLASTX:Soybean
Start	11069	End	12951
GI	none	Score	62
Exons	11069..11137, 11134..11199, 11135..11185, 11679..11879, 11681..11905, 11682..11885, 12799..12948, 12808..12951		

Seq. No.	42581	Seq. ID	OJ000223_09.0322.C5
Gene No.	88781	Strand	-
Start	14125	End	15550
Name	OJ000223_09.0322.C5.o2.gp	Method	AAT/GAP
Start	13826	End	14200
GI	3766827	Score	657
Exons	13826..14200		

Seq. No.	42581	Seq. ID	OJ000223_09.0322.C5
Gene No.	88781	Strand	-
Start	14125	End	15550
Name	OJ000223_09.0322.C5.o1.tm	Method	TBLASTX:Maize
Start	14009	End	15373
GI	none	Score	93
Exons	14009..14032, 14128..14184, 14244..14342, 14252..14344, 14257..14349, 14265..14348, 14345..14392, 14355..14405, 14520..14750, 14521..14748, 14660..14752, 14855..14995, 14857..15018, 14866..15018, 14867..15022, 15281..15373, 15284..15355		

Seq. No.	42581	Seq. ID	OJ000223_09.0322.C5
Gene No.	88781	Strand	-
Start	14125	End	15550
Name	OJ000223_09.0322.C5.o3.np	Method	AAT/NAP
Start	14125	End	15355
GI	4836787	Score	805
Exons	14125..14181, 14271..14392, 14522..14746, 14865..14995, 15283..15355		
GI Descrip.	(AF143681) cell cycle checkpoint protein MAD2 homolog [Zea mays]		

Seq. No.	42581	Seq. ID	OJ000223_09.0322.C5
Gene No.	88781	Strand	-
Start	14125	End	15550
Name	OJ000223_09.0322.C5.o5.gs	Method	GENSCAN
Start	14125	End	15355
GI	none	Score	.99
Exons	14125..14181, 14271..14392, 14522..14746, 14865..14995, 15156..15171, 15283..15355		

Seq. No.	42581	Seq. ID	OJ000223_09.0322.C5
Gene No.	88781	Strand	-
Start	14125	End	15550
Name	OJ000223_09.0322.C5.o3.ts	Method	TBLASTX:Soybean
Start	14125	End	14354
GI	4288392	Score	111
Exons	14125..14184, 14257..14352, 14265..14354		
GI Descrip.	-		

Seq. No.	42581	Seq. ID	OJ000223_09.0322.C5
Gene No.	88781	Strand	-
Start	14125	End	15550
Name	OJ000223_09.0322.C5.o2.tw	Method	TBLASTX:Wheat
Start	14580	End	15358
GI	none	Score	160
Exons	14580..14750, 14626..14748, 14660..14752, 14857..15018, 14866..15018, 14867..15022, 15281..15358, 15281..15358		

Seq. No.	42581	Seq. ID	OJ000223_09.0322.C5
Gene No.	88781	Strand	-
Start	14125	End	15550
Name	OJ000223_09.0322.C5.o3.gp	Method	AAT/GAP
Start	14719	End	15550
GI	3768063	Score	610
Exons	14719..14748, 14866..14997, 15283..15550		
GI Descrip.	4836787/gb\|AAD30555.1\|AF143681_1 2.0e-16 (AF143681) cell cycle checkpoint protein MAD2 homolog [Zea mays]		

Seq. No.	42581	Seq. ID	OJ000223_09.0322.C5
Gene No.	88782	Strand	
Start	18030	End	19335
Name	OJ000223_09.0322.C5.o1.ts	Method	TBLASTX:Soybean
Start	18030	End	19335
GI	none	Score	45
Exons	18030..18071, 18168..18263, 18810..18923, 18810..18923, 18821..18940, 18984..19076, 18995..19108, 18996..19109, 19006..19134, 19007..19108, 19204..19335, 19208..19333		

Seq. No.	42581	Seq. ID	OJ000223_09.0322.C5
Gene No.	88782	Strand	
Start	18030	End	19335
Name	OJ000223_09.0322.C5.o2.tm	Method	TBLASTX:Maize
Start	18032	End	19334
GI	none	Score	45
Exons	18032..18073, 18033..18071, 18161..18262, 18162..18263, 18780..18923, 18805..18939, 18812..18949, 18995..19108, 18999..19076, 19006..19134, 19007..19108, 19206..19334, 19208..19333		

Seq. No.	42581	Seq. ID	OJ000223_09.0322.C5
Gene No.	88782	Strand	
Start	18030	End	19335
Name	OJ000223_09.0322.C5.o1.tw	Method	TBLASTX:Wheat
Start	18045	End	19296
GI	none	Score	38
Exons	18045..18071, 18162..18263, 18780..18923, 18805..18939,		

18812..18940, 18999..19076, 19006..19134, 19007..19108,
19206..19259, 19206..19295, 19207..19296

Seq. No.	42581	Seq. ID	OJ000223_09.0322.C5
Gene No.	88782	Strand	
Start	18030	End	19335
Name	OJ000223_09.0322.C5.o1.tc	Method	TBLASTX:Cress
Start	18162	End	19335
GI	none	Score	157
Exons	18162..18263, 18780..18923, 18805..18939, 18806..18940, 18984..19076, 18995..19108, 18996..19109, 19004..19108, 19006..19122, 19204..19335, 19208..19333		

Seq. No.	42582	Seq. ID	OJ000223_09.0322.C6
Gene No.	88783	Strand	+
Start	1	End	2093
Name	OJ000223_09.0322.C6.o1.np	Method	AAT/NAP
Start	1	End	1856
GI	120668	Score	559
Exons	1..22, 123..185, 276..373, 914..1056, 1170..1253, 1334..1423, 1814..1856		
GI Descrip.	GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE, CYTOSOLIC gi\|82399\|pir\|\|A24159 glyceraldehyde-3-phosphate dehydrogenase (EC 1.2.1.12), cytosolic - barley (fragment) gi\|167044 (M36650) glyceraldehyde-3-phosphate dehydrogenase [Hordeum vulgare] gi\|225347\|prf\|\|1301218A dehydrogenase,glyceraldehydephosphate [Hordeum vulgare var. distichum]		

Seq. No.	42582	Seq. ID	OJ000223_09.0322.C6
Gene No.	88783	Strand	+
Start	1	End	2093
Name	OJ000223_09.0322.C6.o1.gp	Method	AAT/GAP
Start	125	End	2093
GI	407_1.R1084	Score	1173
Exons	125..185, 276..373, 914..940, 1000..1056, 1170..1253, 1334..1423, 1814..2093		
GI Descrip.	'1184774 1.0e-171 (U45856) cytosolic glyceroldehyde-3-phosphate dehydrogenase GAPC3 [Zea mays]'		

Seq. No.	42582	Seq. ID	OJ000223_09.0322.C6
Gene No.	88783	Strand	+
Start	1	End	2093
Name	OJ000223_09.0322.C6.o1.gs	Method	GENSCAN
Start	276	End	1859
GI	none	Score	.82
Exons	276..373, 1170..1253, 1334..1423, 1814..1859		

Seq. No.	42582	Seq. ID	OJ000223_09.0322.C6
Gene No.	88784	Strand	+
Start	5750	End	9736
Name	OJ000223_09.0322.C6.o3.gs	Method	GENSCAN
Start	5750	End	9736
GI	none	Score	.85
Exons	5750..6703, 6776..6895, 6978..7031, 8824..8988, 9638..9736		

Seq. No.	42582	Seq. ID	OJ000223_09.0322.C6
Gene No.	88784	Strand	+

Start	5750	End	9736
Name	OJ000223_09.0322.C6.o2.np	Method	AAT/NAP
Start	6589	End	8765
GI	4759030	Score	353
Exons	6589..6703, 6776..6895, 6978..7031, 7263..7375, 7595..7807, 7919..7997, 8111..8174, 8212..8318, 8421..8474, 8642..8765		
GI Descrip.	RecQ protein 4 gi\|4191810\|dbj\|BAA74453\| (AB006532) DNA helicase [Homo sapiens] gi\|6440969\|dbj\|BAA86899.1\| (AB026546) RECQL4 helicase [Homo sapiens]		

Seq. No.	42582	Seq. ID	OJ000223_09.0322.C6
Gene No.	88785	Strand	-
Start	2613	End	3182
Name	OJ000223_09.0322.C6.o1.tc	Method	TBLASTX:Cress
Start	122	End	1423
GI	none	Score	98
Exons	122..184, 122..187, 124..189, 124..189, 269..379, 271..369, 278..379, 897..938, 913..1056, 1001..1057, 1167..1259, 1168..1254, 1172..1255, 1310..1417, 1311..1421, 1312..1422, 1331..1423		

Seq. No.	42582	Seq. ID	OJ000223_09.0322.C6
Gene No.	88785	Strand	-
Start	2613	End	3182
Name	OJ000223_09.0322.C6.o2.tm	Method	TBLASTX:Maize
Start	122	End	1423
GI	none	Score	98
Exons	122..184, 123..185, 124..189, 124..189, 175..384, 269..379, 281..415, 913..1056, 914..940, 1001..1057, 1095..1259, 1168..1254, 1190..1291, 1191..1256, 1310..1423, 1311..1421, 1331..1423		

Seq. No.	42582	Seq. ID	OJ000223_09.0322.C6
Gene No.	88785	Strand	-
Start	2613	End	3182
Name	OJ000223_09.0322.C6.o1.ts	Method	TBLASTX:Soybean
Start	283	End	1423
GI	none	Score	161
Exons	283..375, 284..439, 914..940, 1001..1057, 1002..1061, 1004..1060, 1167..1259, 1168..1254, 1172..1255, 1310..1417, 1311..1421, 1312..1422, 1316..1423		

Seq. No.	42582	Seq. ID	OJ000223_09.0322.C6
Gene No.	88785	Strand	-
Start	2613	End	3182
Name	OJ000223_09.0322.C6.o1.tw	Method	TBLASTX:Wheat
Start	328	End	1868
GI	none	Score	74
Exons	328..384, 329..379, 913..1056, 914..940, 1001..1057, 1167..1259, 1177..1254, 1178..1255, 1310..1417, 1311..1421, 1312..1422, 1331..1423, 1809..1868		

Seq. No.	42582	Seq. ID	OJ000223_09.0322.C6
Gene No.	88785	Strand	-
Start	2613	End	3182
Name	OJ000223_09.0322.C6.o2.gs	Method	GENSCAN
Start	2613	End	3182

GI	none	Score	1
Exons	2613..3182		

Seq. No.	42582	Seq. ID	OJ000223_09.0322.C6
Gene No.	88786	Strand	
Start	6558	End	6706
Name	OJ000223_09.0322.C6.o3.tm	Method	TBLASTX:Maize
Start	6558	End	6706
GI	none	Score	204
Exons	6558..6698, 6559..6705, 6560..6706		

Seq. No.	42582	Seq. ID	OJ000223_09.0322.C6
Gene No.	88787	Strand	
Start	8249	End	8981
Name	OJ000223_09.0322.C6.o1.tm	Method	TBLASTX:Maize
Start	8249	End	8981
GI	none	Score	102
Exons	8249..8320, 8250..8321, 8420..8476, 8421..8486, 8421..8477, 8634..8780, 8641..8781, 8642..8779, 8836..8979, 8850..8981, 8859..8981		

Seq. No.	42583	Seq. ID	OJ000223_09.0322.C7
Gene No.	88788	Strand	+
Start	224	End	3446
Name	OJ000223_09.0322.C7.o1.gs	Method	GENSCAN
Start	224	End	3446
GI	none	Score	.56
Exons	224..402, 520..544, 1128..1182, 3320..3446		

Seq. No.	42583	Seq. ID	OJ000223_09.0322.C7
Gene No.	88789	Strand	-
Start	3228	End	3705
Name	OJ000223_09.0322.C7.o1.tm	Method	TBLASTX:Maize
Start	521	End	988
GI	none	Score	45
Exons	521..547, 521..547, 626..733, 626..742, 627..755, 817..903, 820..900, 953..988		

Seq. No.	42583	Seq. ID	OJ000223_09.0322.C7
Gene No.	88789	Strand	-
Start	3228	End	3705
Name	OJ000223_09.0322.C7.o1.tc	Method	TBLASTX:Cress
Start	626	End	894
GI	none	Score	169
Exons	626..742, 627..743, 820..894		

Seq. No.	42583	Seq. ID	OJ000223_09.0322.C7
Gene No.	88789	Strand	-
Start	3228	End	3705
Name	OJ000223_09.0322.C7.o1.gp	Method	AAT/GAP
Start	3228	End	3705
GI	2442453	Score	415
Exons	3228..3448, 3682..3705		

Seq. No.	42584	Seq. ID	OJ000223_09.0322.C8
Gene No.	88790	Strand	+
Start	2367	End	3389

Name	OJ000223_09.0322.C8.o1.gs	Method	GENSCAN
Start	2367	End	3389
GI	none	Score	.55
Exons	2367..2452, 2797..3201, 3277..3389		

Seq. No.	42584	Seq. ID	OJ000223_09.0322.C8
Gene No.	88791	Strand	+
Start	3715	End	6959
Name	OJ000223_09.0322.C8.o2.gs	Method	GENSCAN
Start	3715	End	6860
GI	none	Score	.79
Exons	3715..3787, 4205..4335, 4628..5515, 5601..5753, 6030..6330, 6406..6554, 6648..6767, 6798..6860		

Seq. No.	42584	Seq. ID	OJ000223_09.0322.C8
Gene No.	88791	Strand	+
Start	3715	End	6959
Name	OJ000223_09.0322.C8.o2.np	Method	AAT/NAP
Start	4527	End	6959
GI	6503308	Score	84
Exons	4527..4786, 6930..6959		
GI Descrip.	(AC011713) Contains PF\|00646 F-box domain. ESTs gb\|AA586135, gb\|Z26675, gb\|AI993239 and gb\|AA585907 come from this gene. [Arabidopsis thaliana]		

Seq. No.	42584	Seq. ID	OJ000223_09.0322.C8
Gene No.	88792	Strand	-
Start	3459	End	6526
Name	OJ000223_09.0322.C8.o1.np	Method	AAT/NAP
Start	3459	End	6526
GI	5852172	Score	92
Exons	3459..3588, 6398..6526		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	42585	Seq. ID	OJ000223_09.0322.C9
Gene No.	88793	Strand	+
Start	712	End	7880
Name	OJ000223_09.0322.C9.o1.gs	Method	GENSCAN
Start	712	End	7880
GI	none	Score	.42
Exons	712..838, 2825..2904, 2930..3218, 3962..4048, 4708..4820, 6139..6377, 6878..6920, 6957..7374, 7440..7548, 7775..7880		

Seq. No.	42585	Seq. ID	OJ000223_09.0322.C9
Gene No.	88793	Strand	+
Start	712	End	7880
Name	OJ000223_09.0322.C9.o1.gp	Method	AAT/GAP
Start	3552	End	3617
GI	2312838	Score	71
Exons	3552..3617		
GI Descrip.	1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	42585	Seq. ID	OJ000223_09.0322.C9
Gene No.	88794	Strand	-
Start	2512	End	2611
Name	OJ000223_09.0322.C9.o1.np	Method	AAT/NAP

Start	2512	End	2611
GI	5852093	Score	77
Exons	2512..2611		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	42586	Seq. ID	OJ000223_09.0322.C10
Gene No.	88795	Strand	+
Start	1	End	401
Name	OJ000223_09.0322.C10.o1.np	Method	AAT/NAP
Start	1	End	401
GI	6006359	Score	72
Exons	1..81, 301..401		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	42586	Seq. ID	OJ000223_09.0322.C10
Gene No.	88796	Strand	+
Start	1005	End	2176
Name	OJ000223_09.0322.C10.o1.gs	Method	GENSCAN
Start	1005	End	2176
GI	none	Score	.61
Exons	1005..1128, 1476..1647, 2116..2176		

Seq. No.	42586	Seq. ID	OJ000223_09.0322.C10
Gene No.	88797	Strand	+
Start	8420	End	8943
Name	OJ000223_09.0322.C10.o1.gp	Method	AAT/GAP
Start	8420	End	8943
GI	LIB3434-038-P1-K1-F1	Score	768
Exons	8420..8943		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	42586	Seq. ID	OJ000223_09.0322.C10
Gene No.	88798	Strand	+
Start	10476	End	13913
Name	OJ000223_09.0322.C10.o2.np	Method	AAT/NAP
Start	10437	End	13913
GI	4544431	Score	326
Exons	10437..10661, 11444..11484, 11871..12124, 13093..13370, 13489..13565, 13866..13913		
GI Descrip.	(AC006955) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42586	Seq. ID	OJ000223_09.0322.C10
Gene No.	88798	Strand	+
Start	10476	End	13913
Name	OJ000223_09.0322.C10.o5.gs	Method	GENSCAN
Start	10476	End	13560
GI	none	Score	.73
Exons	10476..10661, 11444..11533, 11893..12124, 13093..13370, 13489..13560		

Seq. No.	42586	Seq. ID	OJ000223_09.0322.C10
Gene No.	88799	Strand	-
Start	6257	End	6514
Name	OJ000223_09.0322.C10.o3.gs	Method	GENSCAN
Start	6257	End	6514
GI	none	Score	.99

Exons	6257..6514		
Seq. No.	42586	Seq. ID	OJ000223_09.0322.C10
Gene No.	88800	Strand	-
Start	9230	End	10037
Name	OJ000223_09.0322.C10.o1.tw	Method	TBLASTX:Wheat
Start	3268	End	3595
GI	none	Score	156
Exons	3268..3507, 3271..3417, 3474..3515, 3527..3595		
Seq. No.	42586	Seq. ID	OJ000223_09.0322.C10
Gene No.	88800	Strand	-
Start	9230	End	10037
Name	OJ000223_09.0322.C10.o4.gs	Method	GENSCAN
Start	9230	End	10037
GI	none	Score	.87
Exons	9230..9354, 9581..9637, 9691..9786, 9980..10037		
Seq. No.	42586	Seq. ID	OJ000223_09.0322.C10
Gene No.	88801	Strand	
Start	10481	End	10646
Name	OJ000223_09.0322.C10.o1.tm	Method	TBLASTX:Maize
Start	10481	End	10646
GI	none	Score	207
Exons	10481..10597, 10488..10646, 10593..10643		
Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88802	Strand	+
Start	307	End	3193
Name	OJ000223_09.0322.C11.o1.np	Method	AAT/NAP
Start	307	End	3193
GI	4544431	Score	1628
Exons	307..725, 824..1025, 1152..1243, 1302..1434, 1778..1882, 1959..2047, 2116..2197, 2600..2791, 2915..2983, 3074..3193		
GI Descrip.	(AC006955) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88802	Strand	+
Start	307	End	3193
Name	OJ000223_09.0322.C11.o1.gs	Method	GENSCAN
Start	326	End	2992
GI	none	Score	.83
Exons	326..725, 824..1025, 1152..1266, 1349..1467, 1763..1882, 1959..2047, 2116..2197, 2600..2992		
Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88803	Strand	+
Start	7811	End	10540
Name	OJ000223_09.0322.C11.o3.gp	Method	AAT/GAP
Start	7736	End	8275
GI	287208	Score	610
Exons	7736..7955, 8158..8275		
GI Descrip.	4678261/emb\|CAB41122.1\| 9.0e-16 (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]		
Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88803	Strand	+

Start	7811	End	10540
Name	OJ000223_09.0322.C11.o3.gs	Method	GENSCAN
Start	7811	End	10468
GI	none	Score	.9
Exons	7811..8036, 8158..8272, 8848..8938, 9022..9167, 9272..9491, 9564..9672, 9800..9968, 10073..10243, 10327..10468		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88803	Strand	+
Start	7811	End	10540
Name	OJ000223_09.0322.C11.o3.np	Method	AAT/NAP
Start	7811	End	10244
GI	7484780	Score	1391
Exons	7811..7955, 8158..8272, 8848..8938, 9022..9167, 9272..9491, 9564..9719, 9800..9968, 10073..10244		
GI Descrip.	26S proteasome regulatory particle chain RPN7 homolog F6I7.30 - Arabidopsis thaliana gi\|4678261\|emb\|CAB41122.1\| (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana] gi\|7269333\|emb\|CAB79392.1\| (AL161562) putative proteasome regulatory subunit [Arabidopsis thaliana]		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88803	Strand	+
Start	7811	End	10540
Name	OJ000223_09.0322.C11.o4.gp	Method	AAT/GAP
Start	9442	End	10540
GI	2791_1.R1084	Score	1478
Exons	9442..9491, 9564..9672, 9800..9968, 10073..10540		
GI Descrip.	'4678261/emb\|CAB41122.1\| 1.0e-67 (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]'		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88804	Strand	+
Start	17356	End	23212
Name	OJ000223_09.0322.C11.o5.gs	Method	GENSCAN
Start	17356	End	23212
GI	none	Score	.89
Exons	17356..17444, 18368..18481, 20172..20286, 21315..21423, 21682..21785, 21884..22013, 22793..22897, 23002..23212		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88805	Strand	-
Start	3070	End	7479
Name	OJ000223_09.0322.C11.o2.gs	Method	GENSCAN
Start	3070	End	7427
GI	none	Score	.84
Exons	3070..3184, 3371..3561, 4071..4211, 4593..4745, 5024..5128, 5221..5440, 5560..5726, 5850..6024, 6154..6283, 6515..6618, 6928..7427		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88805	Strand	-
Start	3070	End	7479
Name	OJ000223_09.0322.C11.o1.gp	Method	AAT/GAP
Start	3916	End	5948
GI	23461_1.R1084	Score	1936
Exons	3916..4211, 4593..4745, 5024..5128, 5221..5440, 5560..5726,		

5850..5948
GI Descrip. '3881836/emb|CAB01454.1| 1.0e-130 (Z78019) Similarity to Yeast LPG22P protein (TR:G1151240); cDNA EST EMBL:T00686 comes from this gene; cDNA EST EMBL:C12415 comes from this gene; cDNA EST EMBL:C12728 comes from this gene; cDNA EST EMBL:C10626 comes from this '

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88805	Strand	-
Start	3070	End	7479
Name	OJ000223_09.0322.C11.o2.np	Method	AAT/NAP
Start	4049	End	7355
GI	7295707	Score	1907
Exons	4049..4211, 4593..4745, 5024..5128, 5221..5440, 5560..5726, 5850..6024, 6154..6326, 6441..6510, 6928..7355		
GI Descrip.	(AE003576) CG15433 gene product [Drosophila melanogaster]		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11		
Gene No.	88805	Strand	-		
Start	3070	End	7479		
Name	OJ000223_09.0322.C11.o2.gp	Method	AAT/GAP		
Start	7055	End	7479		
GI	uC-osrocyp002c12b1	Score	775		
Exons	7055..7479				
GI Descrip.	'3881836/emb	CAB01454.1	2.0e-09 (Z78019) Similarity to Yeast LPG22P protein (TR:G1151240); cDNA EST EMBL:T00686 comes from this gene; cDNA EST EMBL:C12415 comes from this gene; cDNA EST EMBL:C12728 comes from this gene; cDNA EST EMBL:C10626 comes from this '		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88806	Strand	-
Start	10722	End	17667
Name	OJ000223_09.0322.C11.o5.tm	Method	TBLASTX:Maize
Start	289	End	641
GI	none	Score	105
Exons	289..375, 306..374, 363..569, 367..639, 375..641, 376..570		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88806	Strand	-
Start	10722	End	17667
Name	OJ000223_09.0322.C11.o6.ts	Method	TBLASTX:Soybean
Start	466	End	896
GI	none	Score	280
Exons	466..729, 471..569, 557..718, 753..896, 813..896		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88806	Strand	-
Start	10722	End	17667
Name	OJ000223_09.0322.C11.o6.tm	Method	TBLASTX:Maize
Start	933	End	2725
GI	none	Score	66
Exons	933..1010, 969..1028, 1133..1177, 1146..1247, 1160..1264, 1160..1234, 1219..1272, 1355..1435, 1359..1433, 1360..1437, 1360..1437, 1746..1874, 1747..1875, 1762..1881, 1766..1894, 1964..2041, 1980..2042, 1986..2042, 1994..2047, 2114..2197, 2114..2197, 2116..2199, 2599..2718, 2602..2724, 2603..2725		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88806	Strand	-
Start	10722	End	17667
Name	OJ000223_09.0322.C11.o9.ts	Method	TBLASTX:Soybean
Start	1139	End	1434
GI	none	Score	137
Exons	1139..1225, 1149..1247, 1149..1238, 1365..1430, 1366..1434		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88806	Strand	-
Start	10722	End	17667
Name	OJ000223_09.0322.C11.o8.ts	Method	TBLASTX:Soybean
Start	1765	End	2197
GI	4396734	Score	157
Exons	1765..1884, 1766..1894, 1977..2045, 1977..2045, 2114..2197, 2116..2196		
GI Descrip.	-		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88806	Strand	-
Start	10722	End	17667
Name	OJ000223_09.0322.C11.o9.tm	Method	TBLASTX:Maize
Start	2918	End	3270
GI	none	Score	105
Exons	2918..2983, 2920..2979, 3071..3199, 3073..3210, 3073..3195, 3208..3270		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88806	Strand	-
Start	10722	End	17667
Name	OJ000223_09.0322.C11.o5.tc	Method	TBLASTX:Cress
Start	4038	End	5316
GI	none	Score	148
Exons	4038..4214, 4054..4218, 4060..4221, 4593..4715, 4597..4716, 5022..5099, 5024..5104, 5024..5110, 5031..5111, 5220..5312, 5221..5313, 5221..5316		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88806	Strand	-
Start	10722	End	17667
Name	OJ000223_09.0322.C11.o2.tm	Method	TBLASTX:Maize
Start	4045	End	5904
GI	none	Score	204
Exons	4045..4221, 4053..4214, 4544..4750, 4593..4715, 5022..5129, 5023..5130, 5024..5134, 5024..5128, 5219..5443, 5220..5285, 5221..5442, 5364..5447, 5543..5728, 5547..5726, 5556..5729, 5561..5728, 5841..5900, 5845..5904		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88806	Strand	-
Start	10722	End	17667
Name	OJ000223_09.0322.C11.o4.tw	Method	TBLASTX:Wheat
Start	4626	End	5382
GI	none	Score	166
Exons	4626..4748, 4626..4715, 4627..4749, 4628..4750, 5022..5129, 5023..5130, 5024..5128, 5220..5285, 5221..5382, 5221..5382		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88806	Strand	-
Start	10722	End	17667
Name	OJ000223_09.0322.C11.o5.ts	Method	TBLASTX:Soybean
Start	5221	End	5906
GI	none	Score	201
Exons	5221..5442, 5225..5443, 5526..5726, 5557..5727, 5841..5906, 5845..5904		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88806	Strand	-
Start	10722	End	17667
Name	OJ000223_09.0322.C11.o3.tc	Method	TBLASTX:Cress
Start	5365	End	6321
GI	none	Score	43
Exons	5365..5385, 5408..5443, 5410..5442, 5547..5726, 5554..5727, 5841..6023, 5844..6017, 5845..6027, 5848..6024, 6140..6313, 6153..6320, 6153..6320, 6154..6321, 6166..6321		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88806	Strand	-
Start	10722	End	17667
Name	OJ000223_09.0322.C11.o3.tw	Method	TBLASTX:Wheat
Start	5583	End	6210
GI	none	Score	222
Exons	5583..5729, 5586..5726, 5587..5727, 5588..5728, 5841..6023, 5844..6023, 5845..6027, 5849..6043, 5896..6024, 6140..6205, 6143..6205, 6153..6206, 6153..6209, 6154..6210, 6166..6210		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88806	Strand	-
Start	10722	End	17667
Name	OJ000223_09.0322.C11.o7.tm	Method	TBLASTX:Maize
Start	6162	End	6467
GI	none	Score	171
Exons	6162..6329, 6164..6313, 6166..6327, 6438..6467		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88806	Strand	-
Start	10722	End	17667
Name	OJ000223_09.0322.C11.o3.ts	Method	TBLASTX:Soybean
Start	6450	End	7259
GI	none	Score	217
Exons	6450..6512, 6927..7259, 6931..7113		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88806	Strand	-
Start	10722	End	17667
Name	OJ000223_09.0322.C11.o4.tm	Method	TBLASTX:Maize
Start	6468	End	7299
GI	none	Score	77
Exons	6468..6512, 6468..6512, 6925..7299, 6927..7280		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88806	Strand	-
Start	10722	End	17667

Name	OJ000223_09.0322.C11.o3.tm	Method	TBLASTX:Maize
Start	7837	End	10267
GI	none	Score	183
Exons	7837..7959, 7838..7954, 8151..8282, 8841..8939, 8846..8938, 8848..8940, 8853..8939, 9019..9165, 9021..9167, 9273..9494, 9273..9476, 9274..9495, 9274..9492, 9561..9671, 9561..9671, 9563..9673, 9799..9966, 9801..9968, 9801..9965, 9805..9966, 9827..9979, 10043..10267, 10062..10241		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88806	Strand	-
Start	10722	End	17667
Name	OJ000223_09.0322.C11.o1.ts	Method	TBLASTX:Soybean
Start	7841	End	10249
GI	none	Score	105
Exons	7841..7966, 7843..7890, 8154..8282, 8846..8938, 8848..8922, 9019..9165, 9021..9167, 9082..9168, 9209..9493, 9273..9494, 9273..9494, 9561..9713, 9562..9714, 9563..9670, 9783..9962, 9798..9965, 9799..9969, 9799..9972, 9827..9985, 10061..10249, 10073..10231, 10074..10241		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88806	Strand	-
Start	10722	End	17667
Name	OJ000223_09.0322.C11.o4.tc	Method	TBLASTX:Cress
Start	7841	End	9168
GI	none	Score	137
Exons	7841..7966, 8160..8282, 8841..8921, 8846..8938, 8848..8940, 9019..9168, 9021..9167		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88806	Strand	-
Start	10722	End	17667
Name	OJ000223_09.0322.C11.o6.tw	Method	TBLASTX:Wheat
Start	9118	End	9416
GI	none	Score	60
Exons	9118..9165, 9118..9165, 9122..9166, 9273..9416, 9273..9416		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88806	Strand	-
Start	10722	End	17667
Name	OJ000223_09.0322.C11.o2.tc	Method	TBLASTX:Cress
Start	9270	End	10252
GI	none	Score	53
Exons	9270..9299, 9309..9494, 9317..9391, 9334..9441, 9336..9491, 9561..9692, 9563..9670, 9798..9965, 9799..9966, 9799..9972, 9801..9968, 10061..10252, 10062..10241		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88806	Strand	-
Start	10722	End	17667
Name	OJ000223_09.0322.C11.o5.gp	Method	AAT/GAP
Start	10722	End	12911
GI	87175_1.R1084	Score	1474
Exons	10722..11386, 12770..12911		
GI Descrip.	'2160694 1.0e-33 (U73528) B'' regulatory subunit of PP2A [Arabidopsis thaliana]'		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88806	Strand	-
Start	10722	End	17667
Name	OJ000223_09.0322.C11.o1.tm	Method	TBLASTX:Maize
Start	10790	End	13941
GI	none	Score	45
Exons	10790..10852, 10790..10819, 10859..10909, 10859..10912, 10870..10917, 10920..10976, 10946..10975, 11019..11381, 11022..11051, 11024..11380, 11091..11387, 11095..11388, 12755..13210, 12763..13212, 12763..13209, 12764..13210, 13210..13242, 13212..13577, 13212..13889, 13315..13890, 13869..13940, 13870..13941		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88806	Strand	-
Start	10722	End	17667
Name	OJ000223_09.0322.C11.o4.np	Method	AAT/NAP
Start	11008	End	17667
GI	7485149	Score	1656
Exons	11008..11380, 12766..13937, 17642..17667		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi\|2244898\|emb\|CAB10320.1\| (Z97338) phosphatase like protein [Arabidopsis thaliana] gi\|7268288\|emb\|CAB78583.1\| (AL161541) phosphatase like protein [Arabidopsis thaliana]		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88806	Strand	-
Start	10722	End	17667
Name	OJ000223_09.0322.C11.o4.gs	Method	GENSCAN
Start	11024	End	16911
GI	none	Score	.5
Exons	11024..11380, 12766..13159, 13360..13978, 14293..14429, 16751..16911		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88806	Strand	-
Start	10722	End	17667
Name	OJ000223_09.0322.C11.o1.tc	Method	TBLASTX:Cress
Start	11054	End	13937
GI	none	Score	208
Exons	11054..11380, 11055..11387, 11229..11387, 11230..11388, 12763..13209, 12764..13210, 12969..13217, 13008..13253, 13212..13730, 13212..13718, 13821..13883, 13890..13937		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88806	Strand	-
Start	10722	End	17667
Name	OJ000223_09.0322.C11.o7.ts	Method	TBLASTX:Soybean
Start	11093	End	11336
GI	none	Score	154
Exons	11093..11335, 11094..11336		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88806	Strand	-
Start	10722	End	17667
Name	OJ000223_09.0322.C11.o5.tw	Method	TBLASTX:Wheat

Start	11099	End	11378
GI	none	Score	198
Exons	11099..11377, 11100..11378		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88806	Strand	-
Start	10722	End	17667
Name	OJ000223_09.0322.C11.o4.ts	Method	TBLASTX:Soybean
Start	11339	End	13035
GI	none	Score	275
Exons	11339..11380, 12755..13033, 12763..13035		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88806	Strand	-
Start	10722	End	17667
Name	OJ000223_09.0322.C11.o2.tw	Method	TBLASTX:Wheat
Start	12819	End	13259
GI	none	Score	66
Exons	12819..12869, 12819..12863, 12820..12876, 12821..12877, 12855..12890, 12870..12890, 12871..12891, 12889..13209, 12891..13211, 12893..13210, 13212..13259, 13212..13259		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88806	Strand	-
Start	10722	End	17667
Name	OJ000223_09.0322.C11.o2.ts	Method	TBLASTX:Soybean
Start	13036	End	13730
GI	none	Score	215
Exons	13036..13209, 13037..13210, 13037..13210, 13193..13435, 13194..13730, 13212..13724, 13315..13725		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88806	Strand	-
Start	10722	End	17667
Name	OJ000223_09.0322.C11.o1.tw	Method	TBLASTX:Wheat
Start	13272	End	13796
GI	none	Score	327
Exons	13272..13577, 13272..13793, 13315..13794, 13450..13794, 13626..13796		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88806	Strand	-
Start	10722	End	17667
Name	OJ000223_09.0322.C11.o6.gp	Method	AAT/GAP
Start	13406	End	13933
GI	3768440	Score	1035
Exons	13406..13933		
GI Descrip.	2160694 1.0e-33 (U73528) B' regulatory subunit of PP2A [Arabidopsis thaliana]		

Seq. No.	42587	Seq. ID	OJ000223_09.0322.C11
Gene No.	88807	Strand	
Start	21282	End	21953
Name	OJ000223_09.0322.C11.o8.tm	Method	TBLASTX:Maize
Start	21282	End	21953
GI	none	Score	97
Exons	21282..21422, 21309..21419, 21310..21420, 21523..21591,		

21524..21598, 21525..21599, 21698..21796, 21711..21785, 21849..21953, 21884..21952

Seq. No.	42588	Seq. ID	OJ000223_09.0322.C12
Gene No.	88808	Strand	+
Start	994	End	2457
Name	OJ000223_09.0322.C12.o1.gs	Method	GENSCAN
Start	994	End	2457
GI	none	Score	.67
Exons	994..1089, 1220..1385, 1607..1734, 2278..2457		

Seq. No.	42589	Seq. ID	OJ000223_09.0322.C13
Gene No.	88809	Strand	+
Start	41	End	1675
Name	OJ000223_09.0322.C13.o1.np	Method	AAT/NAP
Start	41	End	1675
GI	7431269	Score	549
Exons	41..255, 619..709, 1081..1334, 1494..1675		
GI Descrip.	glucose-6-phosphate 1-dehydrogenase (EC 1.1.1.49) 2, cytosolic - parsley gi\|2352923\|gb\|AAB69319.1\| (AF012863) cytosolic glucose-6-phosphate dehydrogenase 2 [Petroselinum crispum]		

Seq. No.	42589	Seq. ID	OJ000223_09.0322.C13
Gene No.	88809	Strand	+
Start	41	End	1675
Name	OJ000223_09.0322.C13.o1.gp	Method	AAT/GAP
Start	49	End	1619
GI	25866_1.R1084	Score	1169
Exons	49..255, 619..704, 1024..1072, 1145..1325, 1494..1619		
GI Descrip.	'3021508/emb\|CAA04992.1\| 8.0e-63 (AJ001769) glucose-6-phosphate dehydrogenase [Nicotiana tabacum]'		

Seq. No.	42589	Seq. ID	OJ000223_09.0322.C13
Gene No.	88809	Strand	+
Start	41	End	1675
Name	OJ000223_09.0322.C13.o1.gs	Method	GENSCAN
Start	49	End	1642
GI	none	Score	.88
Exons	49..110, 164..255, 619..704, 1024..1072, 1145..1325, 1494..1642		

Seq. No.	42589	Seq. ID	OJ000223_09.0322.C13
Gene No.	88809	Strand	+
Start	41	End	1675
Name	OJ000223_09.0322.C13.o1.tm	Method	TBLASTX:Maize
Start	53	End	1648
GI	none	Score	89
Exons	53..136, 55..255, 82..255, 158..259, 598..708, 605..706, 606..707, 1130..1324, 1130..1186, 1132..1323, 1141..1326, 1146..1325, 1450..1638, 1460..1648, 1472..1642		

Seq. No.	42589	Seq. ID	OJ000223_09.0322.C13
Gene No.	88809	Strand	+
Start	41	End	1675
Name	OJ000223_09.0322.C13.o1.ts	Method	TBLASTX:Soybean
Start	162	End	1648
GI	none	Score	131
Exons	162..254, 163..255, 606..731, 607..708, 1126..1227, 1127..1219,		

1210..1320, 1211..1321, 1243..1338, 1450..1623, 1450..1539, 1460..1648, 1472..1648

Seq. No.	42589	Seq. ID	OJ000223_09.0322.C13
Gene No.	88809	Strand	+
Start	41	End	1675
Name	OJ000223_09.0322.C13.o1.tw	Method	TBLASTX:Wheat
Start	660	End	1543
GI	none	Score	50
Exons	660..707, 673..708, 1024..1068, 1025..1069, 1130..1324, 1130..1186, 1132..1323, 1143..1340, 1146..1328, 1460..1543, 1471..1539		

Seq. No.	42589	Seq. ID	OJ000223_09.0322.C13
Gene No.	88809	Strand	+
Start	41	End	1675
Name	OJ000223_09.0322.C13.o1.tc	Method	TBLASTX:Cress
Start	1477	End	1648
GI	none	Score	63
Exons	1477..1539, 1493..1639, 1494..1598, 1496..1648		

Seq. No.	42590	Seq. ID	OJ000223_09.0322.C14
Gene No.	88810	Strand	+
Start	1	End	1811
Name	OJ000223_09.0322.C14.o1.np	Method	AAT/NAP
Start	1	End	1811
GI	4206114	Score	518
Exons	1..58, 328..397, 863..899, 1184..1255, 1386..1533, 1667..1811		
GI Descrip.	(AF097663) cytoplasmic glucose-6-phosphate 1-dehydrogenase [Mesembryanthemum crystallinum]		

Seq. No.	42590	Seq. ID	OJ000223_09.0322.C14
Gene No.	88810	Strand	+
Start	1	End	1811
Name	OJ000223_09.0322.C14.o1.tc	Method	TBLASTX:Cress
Start	333	End	1764
GI	none	Score	115
Exons	333..413, 1183..1257, 1196..1261, 1375..1530, 1382..1546, 1383..1547, 1665..1757, 1665..1760, 1666..1764		

Seq. No.	42590	Seq. ID	OJ000223_09.0322.C14
Gene No.	88810	Strand	+
Start	1	End	1811
Name	OJ000223_09.0322.C14.o1.tm	Method	TBLASTX:Maize
Start	333	End	1761
GI	none	Score	119
Exons	333..413, 336..395, 337..396, 1176..1259, 1177..1260, 1179..1256, 1183..1257, 1381..1545, 1383..1547, 1385..1546, 1662..1760, 1664..1759, 1665..1760, 1666..1761		

Seq. No.	42590	Seq. ID	OJ000223_09.0322.C14
Gene No.	88810	Strand	+
Start	1	End	1811
Name	OJ000223_09.0322.C14.o1.gp	Method	AAT/GAP
Start	339	End	1764
GI	30638_1.R1084	Score	711
Exons	339..397, 863..899, 1184..1255, 1386..1533, 1667..1764		

GI Descrip. '4206114 3.0e-84 (AF097663) cytoplasmic glucose-6-phosphate 1-dehydrogenase [Mesembryanthemum crystallinum]'

Seq. No.	42590	Seq. ID	OJ000223_09.0322.C14
Gene No.	88810	Strand	+
Start	1	End	1811
Name	OJ000223_09.0322.C14.o1.ts	Method	TBLASTX:Soybean
Start	1173	End	1791
GI	none	Score	79
Exons	1173..1256, 1196..1261, 1375..1530, 1382..1546, 1383..1547, 1662..1766, 1665..1754, 1666..1791		

Seq. No.	42590	Seq. ID	OJ000223_09.0322.C14
Gene No.	88810	Strand	+
Start	1	End	1811
Name	OJ000223_09.0322.C14.o1.gs	Method	GENSCAN
Start	1184	End	1762
GI	none	Score	.97
Exons	1184..1255, 1386..1533, 1667..1762		

Seq. No.	42591	Seq. ID	OJ000223_04.0322.C1
Gene No.	88811	Strand	+
Start	371	End	691
Name	OJ000223_04.0322.C1.o1.gs	Method	GENSCAN
Start	371	End	691
GI	none	Score	.6
Exons	371..430, 590..691		

Seq. No.	42592	Seq. ID	OJ000223_04.0322.C2
Gene No.	88812	Strand	+
Start	565	End	678
Name	OJ000223_04.0322.C2.o1.gs	Method	GENSCAN
Start	565	End	678
GI	none	Score	1
Exons	565..678		

Seq. No.	42592	Seq. ID	OJ000223_04.0322.C2
Gene No.	88813	Strand	-
Start	1002	End	1153
Name	OJ000223_04.0322.C2.o2.gs	Method	GENSCAN
Start	1002	End	1153
GI	none	Score	.48
Exons	1002..1153		

Seq. No.	42593	Seq. ID	OJ000223_04.0322.C3
Gene No.	88814	Strand	
Start	697	End	1075
Name	OJ000223_04.0322.C3.o1.tm	Method	TBLASTX:Maize
Start	697	End	1061
GI	none	Score	79
Exons	697..768, 697..771, 854..1060, 867..1061		

Seq. No.	42593	Seq. ID	OJ000223_04.0322.C3
Gene No.	88814	Strand	
Start	697	End	1075
Name	OJ000223_04.0322.C3.o1.tc	Method	TBLASTX:Cress
Start	863	End	1075

GI	none	Score	125
Exons	863..1060, 867..1061, 884..1075		

Seq. No.	42594	Seq. ID	OJ000223_04.0322.C5
Gene No.	88815	Strand	+
Start	1265	End	5525
Name	OJ000223_04.0322.C5.o2.np	Method	AAT/NAP
Start	1265	End	5525
GI	7485859	Score	95
Exons	1265..1287, 3690..4147, 5501..5525		
GI Descrip.	hypothetical protein F20D10.300 - Arabidopsis thaliana gi\|4467124\|emb\|CAB37558.1\| (AL035538) hypothetical protein [Arabidopsis thaliana] gi\|7270802\|emb\|CAB80483.1\| (AL161593) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42594	Seq. ID	OJ000223_04.0322.C5
Gene No.	88815	Strand	+
Start	1265	End	5525
Name	OJ000223_04.0322.C5.o2.gs	Method	GENSCAN
Start	3659	End	4140
GI	none	Score	.41
Exons	3659..3692, 3710..4140		

Seq. No.	42594	Seq. ID	OJ000223_04.0322.C5
Gene No.	88816	Strand	-
Start	433	End	3829
Name	OJ000223_04.0322.C5.o1.gs	Method	GENSCAN
Start	433	End	3346
GI	none	Score	.6
Exons	433..560, 612..777, 1285..1475, 1607..1716, 2734..2923, 3208..3346		

Seq. No.	42594	Seq. ID	OJ000223_04.0322.C5
Gene No.	88816	Strand	-
Start	433	End	3829
Name	OJ000223_04.0322.C5.o1.np	Method	AAT/NAP
Start	931	End	3829
GI	6705984	Score	420
Exons	931..1461, 3767..3829		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	42594	Seq. ID	OJ000223_04.0322.C5
Gene No.	88816	Strand	-
Start	433	End	3829
Name	OJ000223_04.0322.C5.o1.tm	Method	TBLASTX:Maize
Start	934	End	1192
GI	none	Score	108
Exons	934..1191, 946..1149, 1058..1192		

Seq. No.	42594	Seq. ID	OJ000223_04.0322.C5
Gene No.	88816	Strand	-
Start	433	End	3829
Name	OJ000223_04.0322.C5.o1.ts	Method	TBLASTX:Soybean
Start	961	End	1380
GI	none	Score	48
Exons	961..1119, 998..1102, 1111..1311, 1111..1380		

Seq. No.	42594	Seq. ID	OJ000223_04.0322.C5
Gene No.	88816	Strand	-
Start	433	End	3829
Name	OJ000223_04.0322.C5.o1.tw	Method	TBLASTX:Wheat
Start	968	End	1431
GI	none	Score	100
Exons	968..1132, 973..1152, 973..1143, 1071..1157, 1156..1419, 1157..1411, 1162..1431		

Seq. No.	42595	Seq. ID	OJ000223_04.0322.C6
Gene No.	88817	Strand	+
Start	1123	End	1506
Name	OJ000223_04.0322.C6.o2.gp	Method	AAT/GAP
Start	1123	End	1506
GI	uC-osflcyp033a04b1	Score	681
Exons	1123..1506		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	42595	Seq. ID	OJ000223_04.0322.C6
Gene No.	88818	Strand	+
Start	2410	End	2642
Name	OJ000223_04.0322.C6.o2.np	Method	AAT/NAP
Start	2410	End	2642
GI	4680186	Score	340
Exons	2410..2642		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	42595	Seq. ID	OJ000223_04.0322.C6
Gene No.	88819	Strand	-
Start	1	End	1408
Name	OJ000223_04.0322.C6.o1.np	Method	AAT/NAP
Start	1	End	1408
GI	5852180	Score	371
Exons	1..200, 251..368, 1355..1408		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	42595	Seq. ID	OJ000223_04.0322.C6
Gene No.	88820	Strand	-
Start	2194	End	2575
Name	OJ000223_04.0322.C6.o3.gp	Method	AAT/GAP
Start	2194	End	2575
GI	uC-osflcyp033a04b1	Score	631
Exons	2194..2575		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	42596	Seq. ID	OJ000223_04.0322.C7
Gene No.	88821	Strand	+
Start	562	End	3104
Name	OJ000223_04.0322.C7.o1.np	Method	AAT/NAP
Start	562	End	3104
GI	7485859	Score	541
Exons	562..1828, 3083..3104		
GI Descrip.	hypothetical protein F20D10.300 - Arabidopsis thaliana gi\|4467124\|emb\|CAB37558.1\| (AL035538) hypothetical protein [Arabidopsis thaliana] gi\|7270802\|emb\|CAB80483.1\| (AL161593)		

hypothetical protein [Arabidopsis thaliana]

Seq. No.	42596	Seq. ID	OJ000223_04.0322.C7
Gene No.	88822	Strand	-
Start	1711	End	2643
Name	OJ000223_04.0322.C7.o1.tc	Method	TBLASTX:Cress
Start	548	End	841
GI	none	Score	199
Exons	548..841, 590..754, 628..816		

Seq. No.	42596	Seq. ID	OJ000223_04.0322.C7
Gene No.	88822	Strand	-
Start	1711	End	2643
Name	OJ000223_04.0322.C7.o1.ts	Method	TBLASTX:Soybean
Start	586	End	1131
GI	none	Score	428
Exons	586..906, 587..1102, 1009..1131		

Seq. No.	42596	Seq. ID	OJ000223_04.0322.C7
Gene No.	88822	Strand	-
Start	1711	End	2643
Name	OJ000223_04.0322.C7.o1.tm	Method	TBLASTX:Maize
Start	629	End	1240
GI	none	Score	214
Exons	629..907, 646..939, 647..943, 944..1240, 994..1191		

Seq. No.	42596	Seq. ID	OJ000223_04.0322.C7
Gene No.	88822	Strand	-
Start	1711	End	2643
Name	OJ000223_04.0322.C7.o1.tw	Method	TBLASTX:Wheat
Start	755	End	1192
GI	none	Score	297
Exons	755..1192, 757..936, 1009..1191		

Seq. No.	42596	Seq. ID	OJ000223_04.0322.C7
Gene No.	88822	Strand	-
Start	1711	End	2643
Name	OJ000223_04.0322.C7.o2.gs	Method	GENSCAN
Start	1711	End	2643
GI	none	Score	.58
Exons	1711..1733, 2568..2643		

Seq. No.	42597	Seq. ID	OJ000223_04.0322.C9
Gene No.	88823	Strand	+
Start	716	End	4466
Name	OJ000223_04.0322.C9.o1.gs	Method	GENSCAN
Start	716	End	2776
GI	none	Score	.56
Exons	716..841, 1356..1496, 2080..2161, 2510..2776		

Seq. No.	42597	Seq. ID	OJ000223_04.0322.C9
Gene No.	88823	Strand	+
Start	716	End	4466
Name	OJ000223_04.0322.C9.o1.np	Method	AAT/NAP
Start	1207	End	4466
GI	6041822	Score	56
Exons	1207..1269, 2196..2456, 4439..4466		

GI Descrip. (AC009918) unknown protein [Arabidopsis thaliana]

Seq. No.	42597	Seq. ID	OJ000223_04.0322.C9
Gene No.	88824	Strand	+
Start	5509	End	7023
Name	OJ000223_04.0322.C9.o2.np	Method	AAT/NAP
Start	5509	End	7023
GI	7444451	Score	155
Exons	5509..5750, 6977..7023		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi\|2586082\|gb\|AAB82754.1\| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	42597	Seq. ID	OJ000223_04.0322.C9
Gene No.	88825	Strand	-
Start	5124	End	7023
Name	OJ000223_04.0322.C9.o3.np	Method	AAT/NAP
Start	5124	End	7023
GI	6498436	Score	74
Exons	5124..5199, 6310..6599, 7004..7023		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	42597	Seq. ID	OJ000223_04.0322.C9
Gene No.	88825	Strand	-
Start	5124	End	7023
Name	OJ000223_04.0322.C9.o4.np	Method	AAT/NAP
Start	6609	End	7023
GI	6705984	Score	90
Exons	6609..7023		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	42598	Seq. ID	OJ000223_04.0322.C10
Gene No.	88826	Strand	-
Start	1	End	5947
Name	OJ000223_04.0322.C10.o1.np	Method	AAT/NAP
Start	1	End	5947
GI	5042447	Score	4022
Exons	1..1016, 4407..5947		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	42598	Seq. ID	OJ000223_04.0322.C10
Gene No.	88826	Strand	-
Start	1	End	5947
Name	OJ000223_04.0322.C10.o2.tm	Method	TBLASTX:Maize
Start	3	End	299
GI	none	Score	96
Exons	3..299, 13..231		

Seq. No.	42598	Seq. ID	OJ000223_04.0322.C10
Gene No.	88826	Strand	-
Start	1	End	5947
Name	OJ000223_04.0322.C10.o2.tw	Method	TBLASTX:Wheat
Start	3	End	320
GI	none	Score	243
Exons	3..320, 4..288, 239..319		

Seq. No.	42598	Seq. ID	OJ000223_04.0322.C10

Gene No.	88826	Strand	-
Start	1	End	5947
Name	OJ000223_04.0322.C10.o1.gs	Method	GENSCAN
Start	19	End	5947
GI	none	Score	.51
Exons	19..989, 1682..1820, 2157..2415, 3491..3525, 3845..3920, 5007..5790, 5813..5947		

Seq. No.	42598	Seq. ID	OJ000223_04.0322.C10
Gene No.	88826	Strand	-
Start	1	End	5947
Name	OJ000223_04.0322.C10.o1.ts	Method	TBLASTX:Soybean
Start	33	End	428
GI	none	Score	147
Exons	33..392, 34..288, 384..428, 396..428		

Seq. No.	42598	Seq. ID	OJ000223_04.0322.C10
Gene No.	88826	Strand	-
Start	1	End	5947
Name	OJ000223_04.0322.C10.o1.tm	Method	TBLASTX:Maize
Start	315	End	782
GI	none	Score	98
Exons	315..782, 348..695		

Seq. No.	42598	Seq. ID	OJ000223_04.0322.C10
Gene No.	88826	Strand	-
Start	1	End	5947
Name	OJ000223_04.0322.C10.o1.tw	Method	TBLASTX:Wheat
Start	369	End	851
GI	none	Score	183
Exons	369..851, 378..740, 412..747		

Seq. No.	42598	Seq. ID	OJ000223_04.0322.C10
Gene No.	88826	Strand	-
Start	1	End	5947
Name	OJ000223_04.0322.C10.o4.tw	Method	TBLASTX:Wheat
Start	4416	End	4820
GI	none	Score	93
Exons	4416..4589, 4417..4560, 4611..4820, 4672..4770		

Seq. No.	42598	Seq. ID	OJ000223_04.0322.C10
Gene No.	88826	Strand	-
Start	1	End	5947
Name	OJ000223_04.0322.C10.o3.tm	Method	TBLASTX:Maize
Start	5164	End	5460
GI	none	Score	46
Exons	5164..5460, 5176..5232, 5273..5443		

Seq. No.	42598	Seq. ID	OJ000223_04.0322.C10
Gene No.	88826	Strand	-
Start	1	End	5947
Name	OJ000223_04.0322.C10.o3.tw	Method	TBLASTX:Wheat
Start	5341	End	5704
GI	none	Score	108
Exons	5341..5700, 5351..5575, 5425..5670, 5600..5704		

Seq. No.	42599	Seq. ID	OJ000223_04.0322.C11

Gene No.	88827	Strand	+
Start	1383	End	2150
Name	OJ000223_04.0322.C11.o2.np	Method	AAT/NAP
Start	1383	End	2150
GI	4680183	Score	179
Exons	1383..1453, 2061..2150		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	42599	Seq. ID	OJ000223_04.0322.C11
Gene No.	88828	Strand	-
Start	1	End	3039
Name	OJ000223_04.0322.C11.o1.np	Method	AAT/NAP
Start	1	End	636
GI	5042448	Score	887
Exons	1..36, 76..636		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	42599	Seq. ID	OJ000223_04.0322.C11
Gene No.	88828	Strand	-
Start	1	End	3039
Name	OJ000223_04.0322.C11.o1.gs	Method	GENSCAN
Start	39	End	3039
GI	none	Score	.93
Exons	39..92, 136..702, 2877..2961, 2966..3039		

Seq. No.	42600	Seq. ID	OJ000223_04.0322.C12
Gene No.	88829	Strand	+
Start	1	End	7242
Name	OJ000223_04.0322.C12.o1.np	Method	AAT/NAP
Start	1	End	7242
GI	7228457	Score	2808
Exons	1..163, 1497..2928, 3888..3978, 4033..5676, 5743..7242		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	42600	Seq. ID	OJ000223_04.0322.C12
Gene No.	88829	Strand	+
Start	1	End	7242
Name	OJ000223_04.0322.C12.o1.gs	Method	GENSCAN
Start	252	End	7079
GI	none	Score	.49
Exons	252..310, 751..912, 952..1532, 1739..1952, 2034..2313, 2431..2574, 2593..2928, 3076..3110, 3298..3483, 4148..4353, 4448..4635, 4792..5346, 5743..6023, 6090..6351, 6678..6894, 6904..7079		

Seq. No.	42600	Seq. ID	OJ000223_04.0322.C12
Gene No.	88830	Strand	+
Start	13976	End	14583
Name	OJ000223_04.0322.C12.o4.np	Method	AAT/NAP
Start	13976	End	14583
GI	7523517	Score	156
Exons	13976..14176, 14538..14583		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	42600	Seq. ID	OJ000223_04.0322.C12
Gene No.	88831	Strand	-
Start	7858	End	14209
Name	OJ000223_04.0322.C12.o6.tw	Method	TBLASTX:Wheat
Start	1540	End	1887
GI	none	Score	71
Exons	1540..1653, 1551..1643, 1632..1829, 1633..1887		

Seq. No.	42600	Seq. ID	OJ000223_04.0322.C12
Gene No.	88831	Strand	-
Start	7858	End	14209
Name	OJ000223_04.0322.C12.o3.tw	Method	TBLASTX:Wheat
Start	2518	End	9433
GI	none	Score	133
Exons	2518..2691, 2526..2690, 2737..2925, 2739..2924, 3990..4244, 4110..4226, 4112..4243, 9386..9433		

Seq. No.	42600	Seq. ID	OJ000223_04.0322.C12
Gene No.	88831	Strand	-
Start	7858	End	14209
Name	OJ000223_04.0322.C12.o8.tw	Method	TBLASTX:Wheat
Start	4277	End	4461
GI	none	Score	70
Exons	4277..4423, 4317..4460, 4318..4461		

Seq. No.	42600	Seq. ID	OJ000223_04.0322.C12
Gene No.	88831	Strand	-
Start	7858	End	14209
Name	OJ000223_04.0322.C12.o1.tm	Method	TBLASTX:Maize
Start	4301	End	4593
GI	none	Score	89
Exons	4301..4492, 4323..4592, 4324..4593		

Seq. No.	42600	Seq. ID	OJ000223_04.0322.C12
Gene No.	88831	Strand	-
Start	7858	End	14209
Name	OJ000223_04.0322.C12.o1.tw	Method	TBLASTX:Wheat
Start	4462	End	4881
GI	none	Score	436
Exons	4462..4881, 4486..4848, 4731..4880		

Seq. No.	42600	Seq. ID	OJ000223_04.0322.C12
Gene No.	88831	Strand	-
Start	7858	End	14209
Name	OJ000223_04.0322.C12.o3.tm	Method	TBLASTX:Maize
Start	4621	End	5004
GI	none	Score	291
Exons	4621..5004, 4725..5003		

Seq. No.	42600	Seq. ID	OJ000223_04.0322.C12
Gene No.	88831	Strand	-
Start	7858	End	14209
Name	OJ000223_04.0322.C12.o1.ts	Method	TBLASTX:Soybean
Start	4758	End	5157
GI	none	Score	274
Exons	4758..4916, 4759..5157		

Seq. No.	42600	Seq. ID	OJ000223_04.0322.C12
Gene No.	88831	Strand	-
Start	7858	End	14209
Name	OJ000223_04.0322.C12.o7.tw	Method	TBLASTX:Wheat
Start	4930	End	5238
GI	none	Score	181
Exons	4930..5169, 5179..5238		

Seq. No.	42600	Seq. ID	OJ000223_04.0322.C12
Gene No.	88831	Strand	-
Start	7858	End	14209
Name	OJ000223_04.0322.C12.o4.tw	Method	TBLASTX:Wheat
Start	5247	End	5652
GI	none	Score	202
Exons	5247..5474, 5248..5472, 5479..5652		

Seq. No.	42600	Seq. ID	OJ000223_04.0322.C12
Gene No.	88831	Strand	-
Start	7858	End	14209
Name	OJ000223_04.0322.C12.o2.ts	Method	TBLASTX:Soybean
Start	5374	End	5754
GI	none	Score	81
Exons	5374..5496, 5506..5754		

Seq. No.	42600	Seq. ID	OJ000223_04.0322.C12
Gene No.	88831	Strand	-
Start	7858	End	14209
Name	OJ000223_04.0322.C12.o2.tm	Method	TBLASTX:Maize
Start	6166	End	6471
GI	none	Score	350
Exons	6166..6471, 6183..6470		

Seq. No.	42600	Seq. ID	OJ000223_04.0322.C12
Gene No.	88831	Strand	-
Start	7858	End	14209
Name	OJ000223_04.0322.C12.o5.tw	Method	TBLASTX:Wheat
Start	6166	End	6483
GI	none	Score	298
Exons	6166..6483, 6174..6482, 6292..6483		

Seq. No.	42600	Seq. ID	OJ000223_04.0322.C12
Gene No.	88831	Strand	-
Start	7858	End	14209
Name	OJ000223_04.0322.C12.o2.tw	Method	TBLASTX:Wheat
Start	6624	End	7204
GI	none	Score	361
Exons	6624..7076, 6629..6727, 6773..6880, 7101..7187, 7106..7204		

Seq. No.	42600	Seq. ID	OJ000223_04.0322.C12
Gene No.	88831	Strand	-
Start	7858	End	14209
Name	OJ000223_04.0322.C12.o4.tm	Method	TBLASTX:Maize
Start	6930	End	7196
GI	none	Score	145
Exons	6930..7112, 6999..7118, 7103..7162, 7113..7196		

Seq. No.	42600	Seq. ID	OJ000223_04.0322.C12

Gene No.	88831	Strand	-
Start	7858	End	14209
Name	OJ000223_04.0322.C12.o2.gs	Method	GENSCAN
Start	7858	End	14209
GI	none	Score	.61
Exons	7858..8375, 8486..8631, 8891..8979, 9734..10238, 11921..12461, 12612..12663, 12733..13080, 13090..13118, 13287..13535, 13559..13890, 13951..14005, 14176..14209		

Seq. No.	42600	Seq. ID	OJ000223_04.0322.C12
Gene No.	88831	Strand	-
Start	7858	End	14209
Name	OJ000223_04.0322.C12.o2.np	Method	AAT/NAP
Start	8769	End	13245
GI	6721561	Score	1078
Exons	8769..8976, 11965..12523, 12605..12663, 12733..12964, 13214..13245		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42600	Seq. ID	OJ000223_04.0322.C12
Gene No.	88831	Strand	-
Start	7858	End	14209
Name	OJ000223_04.0322.C12.o3.np	Method	AAT/NAP
Start	12323	End	13919
GI	6721558	Score	247
Exons	12323..12540, 12994..13118, 13820..13919		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815083\|dbj\|BAA90369.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	42601	Seq. ID	OJ000223_04.0322.C13
Gene No.	88832	Strand	+
Start	1240	End	4255
Name	OJ000223_04.0322.C13.o1.gs	Method	GENSCAN
Start	1240	End	4255
GI	none	Score	.63
Exons	1240..1290, 1387..1528, 1568..1885, 1970..2859, 2941..3279, 3747..4255		

Seq. No.	42602	Seq. ID	OJ000223_04.0322.C14
Gene No.	88833	Strand	-
Start	466	End	1659
Name	OJ000223_04.0322.C14.o2.ts	Method	TBLASTX:Soybean
Start	460	End	705
GI	none	Score	148
Exons	460..705, 464..703, 538..705		

Seq. No.	42602	Seq. ID	OJ000223_04.0322.C14
Gene No.	88833	Strand	-
Start	466	End	1659
Name	OJ000223_04.0322.C14.o1.np	Method	AAT/NAP
Start	466	End	1659
GI	4544372	Score	537

Exons	466..1659		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	42602	Seq. ID	OJ000223_04.0322.C14
Gene No.	88833	Strand	-
Start	466	End	1659
Name	OJ000223_04.0322.C14.o1.tw	Method	TBLASTX:Wheat
Start	481	End	888
GI	none	Score	73
Exons	481..888, 536..748		
Seq. No.	42602	Seq. ID	OJ000223_04.0322.C14
Gene No.	88833	Strand	-
Start	466	End	1659
Name	OJ000223_04.0322.C14.o3.tw	Method	TBLASTX:Wheat
Start	1174	End	1467
GI	none	Score	141
Exons	1174..1278, 1303..1467		
Seq. No.	42602	Seq. ID	OJ000223_04.0322.C14
Gene No.	88833	Strand	-
Start	466	End	1659
Name	OJ000223_04.0322.C14.o3.ts	Method	TBLASTX:Soybean
Start	1249	End	1530
GI	none	Score	88
Exons	1249..1530, 1250..1465		
Seq. No.	42602	Seq. ID	OJ000223_04.0322.C14
Gene No.	88833	Strand	-
Start	466	End	1659
Name	OJ000223_04.0322.C14.o1.tm	Method	TBLASTX:Maize
Start	1279	End	1611
GI	none	Score	208
Exons	1279..1611		
Seq. No.	42602	Seq. ID	OJ000223_04.0322.C14
Gene No.	88834	Strand	
Start	1846	End	2285
Name	OJ000223_04.0322.C14.o2.tw	Method	TBLASTX:Wheat
Start	1846	End	2264
GI	none	Score	54
Exons	1846..2136, 1889..2038, 2066..2125, 2196..2264		
Seq. No.	42602	Seq. ID	OJ000223_04.0322.C14
Gene No.	88834	Strand	
Start	1846	End	2285
Name	OJ000223_04.0322.C14.o1.ts	Method	TBLASTX:Soybean
Start	1898	End	2285
GI	none	Score	145
Exons	1898..2152, 1900..2151, 2173..2205, 2196..2285		
Seq. No.	42603	Seq. ID	OJ000223_04.0322.C15
Gene No.	88835	Strand	+
Start	7091	End	14539
Name	OJ000223_04.0322.C15.o1.np	Method	AAT/NAP
Start	7091	End	14539

GI	4680179	Score	5397
Exons	7091..8058, 8086..8972, 12025..14539		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	42603	Seq. ID	OJ000223_04.0322.C15
Gene No.	88836	Strand	-
Start	44	End	4719
Name	OJ000223_04.0322.C15.o1.gs	Method	GENSCAN
Start	44	End	4719
GI	none	Score	.73
Exons	44..189, 305..1686, 1739..1936, 2209..2490, 3123..3479, 3499..3800, 4638..4719		

Seq. No.	42603	Seq. ID	OJ000223_04.0322.C15
Gene No.	88837	Strand	-
Start	9681	End	12571
Name	OJ000223_04.0322.C15.o3.ts	Method	TBLASTX:Soybean
Start	349	End	687
GI	none	Score	204
Exons	349..687		

Seq. No.	42603	Seq. ID	OJ000223_04.0322.C15
Gene No.	88837	Strand	-
Start	9681	End	12571
Name	OJ000223_04.0322.C15.o6.tm	Method	TBLASTX:Maize
Start	1808	End	7755
GI	none	Score	184
Exons	1808..1969, 7546..7755		

Seq. No.	42603	Seq. ID	OJ000223_04.0322.C15
Gene No.	88837	Strand	-
Start	9681	End	12571
Name	OJ000223_04.0322.C15.o7.tw	Method	TBLASTX:Wheat
Start	7309	End	7665
GI	none	Score	282
Exons	7309..7665, 7332..7409, 7339..7662		

Seq. No.	42603	Seq. ID	OJ000223_04.0322.C15
Gene No.	88837	Strand	-
Start	9681	End	12571
Name	OJ000223_04.0322.C15.o8.tw	Method	TBLASTX:Wheat
Start	8164	End	8517
GI	none	Score	253
Exons	8164..8517		

Seq. No.	42603	Seq. ID	OJ000223_04.0322.C15
Gene No.	88837	Strand	-
Start	9681	End	12571
Name	OJ000223_04.0322.C15.o4.tw	Method	TBLASTX:Wheat
Start	8649	End	12184
GI	none	Score	371
Exons	8649..8957, 8650..8976, 8759..8983, 8771..8974, 8794..8985, 12023..12184, 12025..12180		

Seq. No.	42603	Seq. ID	OJ000223_04.0322.C15
Gene No.	88837	Strand	-
Start	9681	End	12571

Name	OJ000223_04.0322.C15.o5.tm	Method	TBLASTX:Maize
Start	8659	End	8951
GI	none	Score	328
Exons	8659..8949, 8760..8951		

Seq. No.	42603	Seq. ID	OJ000223_04.0322.C15
Gene No.	88837	Strand	-
Start	9681	End	12571
Name	OJ000223_04.0322.C15.o1.gp	Method	AAT/GAP
Start	9681	End	10062
GI	uC-osflcyp033a04b1	Score	659
Exons	9681..10062		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	42603	Seq. ID	OJ000223_04.0322.C15
Gene No.	88837	Strand	-
Start	9681	End	12571
Name	OJ000223_04.0322.C15.o4.tm	Method	TBLASTX:Maize
Start	12071	End	12571
GI	none	Score	114
Exons	12071..12208, 12269..12571, 12322..12450		

Seq. No.	42603	Seq. ID	OJ000223_04.0322.C15
Gene No.	88837	Strand	-
Start	9681	End	12571
Name	OJ000223_04.0322.C15.o1.ts	Method	TBLASTX:Soybean
Start	12125	End	12520
GI	none	Score	57
Exons	12125..12157, 12125..12157, 12161..12214, 12163..12204, 12269..12520, 12277..12510		

Seq. No.	42603	Seq. ID	OJ000223_04.0322.C15
Gene No.	88837	Strand	-
Start	9681	End	12571
Name	OJ000223_04.0322.C15.o5.tw	Method	TBLASTX:Wheat
Start	12247	End	12535
GI	none	Score	58
Exons	12247..12339, 12271..12534, 12272..12535		

Seq. No.	42603	Seq. ID	OJ000223_04.0322.C15
Gene No.	88838	Strand	
Start	12536	End	12961
Name	OJ000223_04.0322.C15.o3.tw	Method	TBLASTX:Wheat
Start	12536	End	12961
GI	none	Score	581
Exons	12536..12961, 12538..12954, 12611..12961		

Seq. No.	42603	Seq. ID	OJ000223_04.0322.C15
Gene No.	88838	Strand	
Start	12536	End	12961
Name	OJ000223_04.0322.C15.o4.ts	Method	TBLASTX:Soybean
Start	12542	End	12790
GI	none	Score	192
Exons	12542..12790		

Seq. No.	42603	Seq. ID	OJ000223_04.0322.C15

Gene No.	88838	Strand	
Start	12536	End	12961
Name	OJ000223_04.0322.C15.o2.tm	Method	TBLASTX:Maize
Start	12608	End	12961
GI	none	Score	446
Exons	12608..12961, 12613..12954		

Seq. No.	42603	Seq. ID	OJ000223_04.0322.C15
Gene No.	88839	Strand	
Start	12989	End	14494
Name	OJ000223_04.0322.C15.o2.tw	Method	TBLASTX:Wheat
Start	12989	End	13529
GI	none	Score	611
Exons	12989..13528, 12994..13524, 13073..13528, 13263..13529		

Seq. No.	42603	Seq. ID	OJ000223_04.0322.C15
Gene No.	88839	Strand	
Start	12989	End	14494
Name	OJ000223_04.0322.C15.o2.ts	Method	TBLASTX:Soybean
Start	13316	End	13576
GI	none	Score	285
Exons	13316..13576, 13327..13575		

Seq. No.	42603	Seq. ID	OJ000223_04.0322.C15
Gene No.	88839	Strand	
Start	12989	End	14494
Name	OJ000223_04.0322.C15.o3.tm	Method	TBLASTX:Maize
Start	13375	End	13666
GI	none	Score	399
Exons	13375..13662, 13376..13666		

Seq. No.	42603	Seq. ID	OJ000223_04.0322.C15
Gene No.	88839	Strand	
Start	12989	End	14494
Name	OJ000223_04.0322.C15.o1.tw	Method	TBLASTX:Wheat
Start	13535	End	14161
GI	none	Score	694
Exons	13535..14161, 13591..14046		

Seq. No.	42603	Seq. ID	OJ000223_04.0322.C15
Gene No.	88839	Strand	
Start	12989	End	14494
Name	OJ000223_04.0322.C15.o1.tm	Method	TBLASTX:Maize
Start	13714	End	14299
GI	none	Score	229
Exons	13714..13869, 13715..13876, 13873..14043, 13874..14299, 13994..14278, 14101..14298		

Seq. No.	42603	Seq. ID	OJ000223_04.0322.C15
Gene No.	88839	Strand	
Start	12989	End	14494
Name	OJ000223_04.0322.C15.o6.tw	Method	TBLASTX:Wheat
Start	14161	End	14494
GI	none	Score	307
Exons	14161..14442, 14162..14494		

Seq. No.	42604	Seq. ID	OJ000223_04.0322.C16

Gene No.	88840	Strand	+
Start	181	End	275
Name	OJ000223_04.0322.C16.o1.np	Method	AAT/NAP
Start	181	End	275
GI	5852178	Score	129
Exons	181..275		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	42604	Seq. ID	OJ000223_04.0322.C16
Gene No.	88841	Strand	+
Start	181	End	297
Name	OJ000223_04.0322.C16.o1.gs	Method	GENSCAN
Start	181	End	297
GI	none	Score	.68
Exons	181..297		

Seq. No.	42604	Seq. ID	OJ000223_04.0322.C16
Gene No.	88842	Strand	+
Start	411	End	586
Name	OJ000223_04.0322.C16.o1.gp	Method	AAT/GAP
Start	411	End	586
GI	2428185	Score	309
Exons	411..586		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	42605	Seq. ID	OJ000223_04.0322.C17
Gene No.	88843	Strand	+
Start	26	End	637
Name	OJ000223_04.0322.C17.o1.gs	Method	GENSCAN
Start	26	End	637
GI	none	Score	.8
Exons	26..637		

Seq. No.	42605	Seq. ID	OJ000223_04.0322.C17
Gene No.	88844	Strand	+
Start	1476	End	1857
Name	OJ000223_04.0322.C17.o1.gp	Method	AAT/GAP
Start	1476	End	1857
GI	uC-osflcyp033a04b1	Score	655
Exons	1476..1857		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	42605	Seq. ID	OJ000223_04.0322.C17
Gene No.	88845	Strand	+
Start	2811	End	2986
Name	OJ000223_04.0322.C17.o2.np	Method	AAT/NAP
Start	2811	End	2986
GI	6063554	Score	149
Exons	2811..2986		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42605	Seq. ID	OJ000223_04.0322.C17
Gene No.	88846	Strand	+

Start	6279	End	8563
Name	OJ000223_04.0322.C17.o4.np	Method	AAT/NAP
Start	6279	End	8563
GI	7523517	Score	126
Exons	6279..6438, 6464..6599, 6750..6791, 8529..8563		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	42605	Seq. ID	OJ000223_04.0322.C17
Gene No.	88847	Strand	-
Start	138	End	2157
Name	OJ000223_04.0322.C17.o1.np	Method	AAT/NAP
Start	138	End	2157
GI	5852180	Score	567
Exons	138..555, 607..725, 1706..1761, 2108..2157		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	42605	Seq. ID	OJ000223_04.0322.C17
Gene No.	88848	Strand	-
Start	3016	End	8195
Name	OJ000223_04.0322.C17.o5.np	Method	AAT/NAP
Start	3016	End	8177
GI	6705984	Score	1056
Exons	3016..3037, 6802..8177		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	42605	Seq. ID	OJ000223_04.0322.C17
Gene No.	88848	Strand	-
Start	3016	End	8195
Name	OJ000223_04.0322.C17.o3.gs	Method	GENSCAN
Start	3932	End	4924
GI	none	Score	.99
Exons	3932..4924		

Seq. No.	42605	Seq. ID	OJ000223_04.0322.C17
Gene No.	88848	Strand	-
Start	3016	End	8195
Name	OJ000223_04.0322.C17.o3.np	Method	AAT/NAP
Start	4190	End	4924
GI	7248393	Score	418
Exons	4190..4539, 4603..4924		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	42605	Seq. ID	OJ000223_04.0322.C17
Gene No.	88848	Strand	-
Start	3016	End	8195
Name	OJ000223_04.0322.C17.o1.ts	Method	TBLASTX:Soybean
Start	6830	End	7164
GI	none	Score	112
Exons	6830..6919, 6909..7157, 6910..7164		

Seq. No.	42605	Seq. ID	OJ000223_04.0322.C17
Gene No.	88848	Strand	-
Start	3016	End	8195
Name	OJ000223_04.0322.C17.o2.tw	Method	TBLASTX:Wheat
Start	6854	End	7250
GI	none	Score	41
Exons	6854..6919, 6909..6962, 6922..6963, 6969..7250, 6994..7203		

Seq. No.	42605	Seq. ID	OJ000223_04.0322.C17
Gene No.	88848	Strand	-
Start	3016	End	8195
Name	OJ000223_04.0322.C17.o1.tw	Method	TBLASTX:Wheat
Start	7647	End	8129
GI	none	Score	66
Exons	7647..7739, 7647..7820, 7829..8044, 7830..7850, 8028..8129, 8044..8124		

Seq. No.	42605	Seq. ID	OJ000223_04.0322.C17
Gene No.	88848	Strand	-
Start	3016	End	8195
Name	OJ000223_04.0322.C17.o1.tm	Method	TBLASTX:Maize
Start	7952	End	8195
GI	none	Score	78
Exons	7952..8050, 7953..8054, 8040..8195, 8041..8136		

Seq. No.	42606	Seq. ID	OJ000223_04.0322.C18
Gene No.	88849	Strand	+
Start	1	End	702
Name	OJ000223_04.0322.C18.o1.np	Method	AAT/NAP
Start	1	End	702
GI	7444442	Score	888
Exons	1..702		
GI Descrip.	gag/pol polyprotein - maize retrotransposon Hopscotch gi\|531389\|gb\|AAA57005.1\| (U12626) copia-like retrotransposon Hopscotch polyprotein [Zea mays]		

Seq. No.	42606	Seq. ID	OJ000223_04.0322.C18
Gene No.	88849	Strand	+
Start	1	End	702
Name	OJ000223_04.0322.C18.o1.gs	Method	GENSCAN
Start	151	End	343
GI	none	Score	.47
Exons	151..343		

Seq. No.	42606	Seq. ID	OJ000223_04.0322.C18
Gene No.	88849	Strand	+
Start	1	End	702
Name	OJ000223_04.0322.C18.o1.tc	Method	TBLASTX:Cress
Start	255	End	702
GI	none	Score	320
Exons	255..353, 259..702		

Seq. No.	42606	Seq. ID	OJ000223_04.0322.C18
Gene No.	88849	Strand	+
Start	1	End	702
Name	OJ000223_04.0322.C18.o1.ts	Method	TBLASTX:Soybean
Start	277	End	702
GI	none	Score	256
Exons	277..702		

Seq. No.	42606	Seq. ID	OJ000223_04.0322.C18
Gene No.	88849	Strand	+
Start	1	End	702
Name	OJ000223_04.0322.C18.o1.tm	Method	TBLASTX:Maize

Start	286	End	695
GI	none	Score	62
Exons	286..357, 379..693, 399..695		

Seq. No.	42606	Seq. ID	OJ000223_04.0322.C18
Gene No.	88849	Strand	+
Start	1	End	702
Name	OJ000223_04.0322.C18.o1.tw	Method	TBLASTX:Wheat
Start	378	End	702
GI	none	Score	51
Exons	378..458, 379..702, 396..701		

Seq. No.	42607	Seq. ID	OJ000223_04.0322.C19
Gene No.	88850	Strand	+
Start	3311	End	5336
Name	OJ000223_04.0322.C19.o1.gs	Method	GENSCAN
Start	3311	End	5320
GI	none	Score	.81
Exons	3311..5320		

Seq. No.	42607	Seq. ID	OJ000223_04.0322.C19
Gene No.	88850	Strand	+
Start	3311	End	5336
Name	OJ000223_04.0322.C19.o1.np	Method	AAT/NAP
Start	3320	End	5336
GI	7446441	Score	1779
Exons	3320..5336		
GI Descrip.	probable serine/threonine-specific protein kinase F13M22.21 (EC 2.7.1.-) - Arabidopsis thaliana gi\|3236253\|gb\|AAC23641.1\| (AC004684) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	42607	Seq. ID	OJ000223_04.0322.C19
Gene No.	88850	Strand	+
Start	3311	End	5336
Name	OJ000223_04.0322.C19.o1.gp	Method	AAT/GAP
Start	4135	End	4398
GI	LIB3432-042-P2-K1-B9	Score	482
Exons	4135..4398		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	42607	Seq. ID	OJ000223_04.0322.C19
Gene No.	88851	Strand	-
Start	5826	End	8288
Name	OJ000223_04.0322.C19.o2.tm	Method	TBLASTX:Maize
Start	3377	End	3937
GI	none	Score	69
Exons	3377..3448, 3397..3453, 3443..3481, 3446..3481, 3480..3815, 3485..3862, 3491..3814, 3733..3816, 3779..3937, 3863..3919		

Seq. No.	42607	Seq. ID	OJ000223_04.0322.C19
Gene No.	88851	Strand	-
Start	5826	End	8288
Name	OJ000223_04.0322.C19.o2.ts	Method	TBLASTX:Soybean
Start	3404	End	3952
GI	none	Score	34

Exons	3404..3442, 3443..3661, 3662..3856, 3733..3801, 3839..3952		
Seq. No.	42607	Seq. ID	OJ000223_04.0322.C19
Gene No.	88851	Strand	-
Start	5826	End	8288
Name	OJ000223_04.0322.C19.o1.tc	Method	TBLASTX:Cress
Start	3443	End	5212
GI	none	Score	352
Exons	3443..3637, 3445..3654, 3446..3853, 3842..4636, 3877..4161, 4255..4632, 4637..4996, 4669..4959, 4964..5212, 4990..5025, 5095..5208		
Seq. No.	42607	Seq. ID	OJ000223_04.0322.C19
Gene No.	88851	Strand	-
Start	5826	End	8288
Name	OJ000223_04.0322.C19.o3.tw	Method	TBLASTX:Wheat
Start	3764	End	4009
GI	none	Score	243
Exons	3764..4009, 3764..4006		
Seq. No.	42607	Seq. ID	OJ000223_04.0322.C19
Gene No.	88851	Strand	-
Start	5826	End	8288
Name	OJ000223_04.0322.C19.o4.tm	Method	TBLASTX:Maize
Start	3940	End	4171
GI	none	Score	227
Exons	3940..4152, 3941..4171		
Seq. No.	42607	Seq. ID	OJ000223_04.0322.C19
Gene No.	88851	Strand	-
Start	5826	End	8288
Name	OJ000223_04.0322.C19.o1.tw	Method	TBLASTX:Wheat
Start	4010	End	4336
GI	none	Score	325
Exons	4010..4291, 4012..4290, 4276..4335, 4295..4336		
Seq. No.	42607	Seq. ID	OJ000223_04.0322.C19
Gene No.	88851	Strand	-
Start	5826	End	8288
Name	OJ000223_04.0322.C19.o4.ts	Method	TBLASTX:Soybean
Start	4013	End	4330
GI	none	Score	123
Exons	4013..4150, 4160..4330		
Seq. No.	42607	Seq. ID	OJ000223_04.0322.C19
Gene No.	88851	Strand	-
Start	5826	End	8288
Name	OJ000223_04.0322.C19.o1.ts	Method	TBLASTX:Soybean
Start	4339	End	4849
GI	none	Score	343
Exons	4339..4608, 4340..4612, 4628..4849, 4628..4843		
Seq. No.	42607	Seq. ID	OJ000223_04.0322.C19
Gene No.	88851	Strand	-
Start	5826	End	8288
Name	OJ000223_04.0322.C19.o2.tw	Method	TBLASTX:Wheat
Start	4367	End	4792

GI	none	Score	197
Exons	4367..4624, 4372..4404, 4459..4497, 4509..4595, 4637..4792		
Seq. No.	42607	Seq. ID	OJ000223_04.0322.C19
Gene No.	88851	Strand	-
Start	5826	End	8288
Name	OJ000223_04.0322.C19.o1.tm	Method	TBLASTX:Maize
Start	4390	End	4966
GI	none	Score	327
Exons	4390..4647, 4391..4642, 4637..4966, 4642..4956, 4643..4966		
Seq. No.	42607	Seq. ID	OJ000223_04.0322.C19
Gene No.	88851	Strand	-
Start	5826	End	8288
Name	OJ000223_04.0322.C19.o3.ts	Method	TBLASTX:Soybean
Start	4865	End	5182
GI	none	Score	233
Exons	4865..5182		
Seq. No.	42607	Seq. ID	OJ000223_04.0322.C19
Gene No.	88851	Strand	-
Start	5826	End	8288
Name	OJ000223_04.0322.C19.o3.tm	Method	TBLASTX:Maize
Start	4967	End	5275
GI	none	Score	318
Exons	4967..5275, 4975..5211, 5111..5251		
Seq. No.	42607	Seq. ID	OJ000223_04.0322.C19
Gene No.	88851	Strand	-
Start	5826	End	8288
Name	OJ000223_04.0322.C19.o2.gs	Method	GENSCAN
Start	5826	End	8288
GI	none	Score	.84
Exons	5826..5900, 6064..6299, 8225..8288		
Seq. No.	42608	Seq. ID	OJ000223_04.0322.C21
Gene No.	88852	Strand	-
Start	179	End	4414
Name	OJ000223_04.0322.C21.o1.gs	Method	GENSCAN
Start	179	End	4414
GI	none	Score	.61
Exons	179..649, 700..889, 1084..1422, 1500..1640, 1723..2205, 2468..2666, 4212..4414		
Seq. No.	42609	Seq. ID	OJ000223_04.0322.C22
Gene No.	88853	Strand	-
Start	1	End	1861
Name	OJ000223_04.0322.C22.o1.np	Method	AAT/NAP
Start	1	End	1861
GI	7444451	Score	1326
Exons	1..400, 1166..1861		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi\|2586082\|gb\|AAB82754.1\| (U72725) retrofit [Oryza longistaminata]		
Seq. No.	42609	Seq. ID	OJ000223_04.0322.C22
Gene No.	88853	Strand	-

Start	1	End	1861
Name	OJ000223_04.0322.C22.o2.tm	Method	TBLASTX:Maize
Start	6	End	367
GI	none	Score	50
Exons	6..65, 8..55, 70..231, 71..232, 233..367, 238..366		

Seq. No.	42609	Seq. ID	OJ000223_04.0322.C22
Gene No.	88853	Strand	-
Start	1	End	1861
Name	OJ000223_04.0322.C22.o1.ts	Method	TBLASTX:Soybean
Start	9	End	1299
GI	none	Score	168
Exons	9..50, 70..384, 101..346, 1165..1299		

Seq. No.	42609	Seq. ID	OJ000223_04.0322.C22
Gene No.	88853	Strand	-
Start	1	End	1861
Name	OJ000223_04.0322.C22.o1.tw	Method	TBLASTX:Wheat
Start	298	End	1500
GI	none	Score	102
Exons	298..393, 1156..1404, 1220..1405, 1471..1500		

Seq. No.	42609	Seq. ID	OJ000223_04.0322.C22
Gene No.	88853	Strand	-
Start	1	End	1861
Name	OJ000223_04.0322.C22.o1.gs	Method	GENSCAN
Start	878	End	1614
GI	none	Score	.47
Exons	878..969, 1467..1614		

Seq. No.	42609	Seq. ID	OJ000223_04.0322.C22
Gene No.	88853	Strand	-
Start	1	End	1861
Name	OJ000223_04.0322.C22.o3.tm	Method	TBLASTX:Maize
Start	1153	End	1368
GI	none	Score	125
Exons	1153..1368, 1220..1366		

Seq. No.	42609	Seq. ID	OJ000223_04.0322.C22
Gene No.	88853	Strand	-
Start	1	End	1861
Name	OJ000223_04.0322.C22.o1.tm	Method	TBLASTX:Maize
Start	1459	End	1858
GI	none	Score	82
Exons	1459..1857, 1706..1858		

Seq. No.	42609	Seq. ID	OJ000223_04.0322.C22
Gene No.	88853	Strand	-
Start	1	End	1861
Name	OJ000223_04.0322.C22.o2.tw	Method	TBLASTX:Wheat
Start	1501	End	1857
GI	none	Score	82
Exons	1501..1677, 1669..1857, 1706..1855		

Seq. No.	42609	Seq. ID	OJ000223_04.0322.C22
Gene No.	88853	Strand	-
Start	1	End	1861

Name	OJ000223_04.0322.C22.o2.ts	Method	TBLASTX:Soybean
Start	1579	End	1858
GI	none	Score	70
Exons	1579..1761, 1640..1762, 1783..1857, 1784..1858		

Seq. No.	42610	Seq. ID	OJ000223_04.0322.C23
Gene No.	88854	Strand	
Start	182	End	748
Name	OJ000223_04.0322.C23.o1.tm	Method	TBLASTX:Maize
Start	182	End	323
GI	none	Score	148
Exons	182..319, 182..319, 189..323		

Seq. No.	42610	Seq. ID	OJ000223_04.0322.C23
Gene No.	88854	Strand	
Start	182	End	748
Name	OJ000223_04.0322.C23.o1.ts	Method	TBLASTX:Soybean
Start	218	End	748
GI	none	Score	108
Exons	218..334, 222..338, 235..336, 657..731, 659..748, 663..731		

Seq. No.	42611	Seq. ID	OJ000223_07.0323.C2
Gene No.	88855	Strand	+
Start	622	End	972
Name	OJ000223_07.0323.C2.o1.gs	Method	GENSCAN
Start	622	End	972
GI	none	Score	.57
Exons	622..972		

Seq. No.	42611	Seq. ID	OJ000223_07.0323.C2
Gene No.	88856	Strand	+
Start	6849	End	8383
Name	OJ000223_07.0323.C2.o3.gs	Method	GENSCAN
Start	6849	End	8334
GI	none	Score	.68
Exons	6849..8334		

Seq. No.	42611	Seq. ID	OJ000223_07.0323.C2
Gene No.	88856	Strand	+
Start	6849	End	8383
Name	OJ000223_07.0323.C2.o2.np	Method	AAT/NAP
Start	7275	End	8383
GI	7489501	Score	601
Exons	7275..8300, 8340..8383		
GI Descrip.	NBS-LRR type resistance protein - rice (fragment) gi\|2792220\|gb\|AAB96985.1\| (AF032688) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	42611	Seq. ID	OJ000223_07.0323.C2
Gene No.	88857	Strand	-
Start	1	End	402
Name	OJ000223_07.0323.C2.o1.np	Method	AAT/NAP
Start	1	End	402
GI	130582	Score	220
Exons	1..402		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE]		

gi|100342|pir||S04273 hypothetical protein - common tobacco
gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]

Seq. No.	42611	Seq. ID	OJ000223_07.0323.C2
Gene No.	88858	Strand	
Start	7272	End	7805
Name	OJ000223_07.0323.C2.o2.tm	Method	TBLASTX:Maize
Start	7272	End	7559
GI	none	Score	223
Exons	7272..7559, 7346..7402, 7406..7546		

Seq. No.	42611	Seq. ID	OJ000223_07.0323.C2
Gene No.	88858	Strand	
Start	7272	End	7805
Name	OJ000223_07.0323.C2.o1.ts	Method	TBLASTX:Soybean
Start	7446	End	7805
GI	none	Score	80
Exons	7446..7511, 7515..7805, 7661..7780		

Seq. No.	42611	Seq. ID	OJ000223_07.0323.C2
Gene No.	88859	Strand	
Start	7908	End	8276
Name	OJ000223_07.0323.C2.o1.tm	Method	TBLASTX:Maize
Start	7908	End	8276
GI	none	Score	99
Exons	7908..8054, 8052..8276, 8117..8275		

Seq. No.	42611	Seq. ID	OJ000223_07.0323.C2
Gene No.	88859	Strand	
Start	7908	End	8276
Name	OJ000223_07.0323.C2.o2.ts	Method	TBLASTX:Soybean
Start	7929	End	8198
GI	none	Score	90
Exons	7929..8015, 8027..8197, 8055..8198		

Seq. No.	42612	Seq. ID	OJ000223_07.0323.C3
Gene No.	88860	Strand	+
Start	1306	End	6163
Name	OJ000223_07.0323.C3.o1.gs	Method	GENSCAN
Start	1306	End	6163
GI	none	Score	.52
Exons	1306..1397, 1761..1864, 3745..4319, 4706..4773, 5200..5242, 5712..5882, 6092..6163		

Seq. No.	42612	Seq. ID	OJ000223_07.0323.C3
Gene No.	88861	Strand	-
Start	4632	End	9076
Name	OJ000223_07.0323.C3.o2.np	Method	AAT/NAP
Start	4632	End	9076
GI	7523512	Score	373
Exons	4632..4755, 8924..9076		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	42612	Seq. ID	OJ000223_07.0323.C3
Gene No.	88862	Strand	-
Start	9673	End	10079
Name	OJ000223_07.0323.C3.o3.gs	Method	GENSCAN

Start	9673	End	10079
GI	none	Score	.72
Exons	9673..9917, 9977..10079		

Seq. No.	42612	Seq. ID	OJ000223_07.0323.C3
Gene No.	88862	Strand	-
Start	9673	End	10079
Name	OJ000223_07.0323.C3.o1.gp	Method	AAT/GAP
Start	9834	End	10079
GI	none	Score	374
Exons	9834..10079		

Seq. No.	42613	Seq. ID	OJ000223_07.0323.C4
Gene No.	88863	Strand	+
Start	1	End	2322
Name	OJ000223_07.0323.C4.o1.np	Method	AAT/NAP
Start	1	End	2322
GI	7339707	Score	97
Exons	1..123, 386..581, 2240..2322		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	42614	Seq. ID	OJ000223_07.0323.C5
Gene No.	88864	Strand	+
Start	510	End	6128
Name	OJ000223_07.0323.C5.o1.gs	Method	GENSCAN
Start	510	End	6128
GI	none	Score	.6
Exons	510..594, 1586..1693, 1721..1826, 2142..3599, 3810..3975, 4231..4421, 4870..4946, 5070..5259, 5503..6128		

Seq. No.	42614	Seq. ID	OJ000223_07.0323.C5
Gene No.	88864	Strand	+
Start	510	End	6128
Name	OJ000223_07.0323.C5.o1.tm	Method	TBLASTX:Maize
Start	2534	End	2914
GI	none	Score	244
Exons	2534..2611, 2609..2914, 2695..2739, 2754..2876, 2755..2889		

Seq. No.	42614	Seq. ID	OJ000223_07.0323.C5
Gene No.	88864	Strand	+
Start	510	End	6128
Name	OJ000223_07.0323.C5.o1.np	Method	AAT/NAP
Start	2612	End	4324
GI	7489501	Score	663
Exons	2612..3649, 3689..4324		
GI Descrip.	NBS-LRR type resistance protein - rice (fragment) gi\|2792220\|gb\|AAB96985.1\| (AF032688) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	42614	Seq. ID	OJ000223_07.0323.C5
Gene No.	88864	Strand	+
Start	510	End	6128
Name	OJ000223_07.0323.C5.o1.ts	Method	TBLASTX:Soybean
Start	2782	End	3328
GI	none	Score	85
Exons	2782..2841, 2783..2848, 2852..2959, 2863..2916, 2933..3151, 3007..3126, 3095..3328		

Seq. No.	42614	Seq. ID	OJ000223_07.0323.C5
Gene No.	88864	Strand	+
Start	510	End	6128
Name	OJ000223_07.0323.C5.o2.tm	Method	TBLASTX:Maize
Start	3164	End	3625
GI	none	Score	118
Exons	3164..3403, 3401..3625, 3466..3624		

Seq. No.	42614	Seq. ID	OJ000223_07.0323.C5
Gene No.	88864	Strand	+
Start	510	End	6128
Name	OJ000223_07.0323.C5.o2.ts	Method	TBLASTX:Soybean
Start	3359	End	3628
GI	none	Score	166
Exons	3359..3550, 3572..3628		

Seq. No.	42614	Seq. ID	OJ000223_07.0323.C5
Gene No.	88864	Strand	+
Start	510	End	6128
Name	OJ000223_07.0323.C5.o3.tm	Method	TBLASTX:Maize
Start	5244	End	5489
GI	none	Score	184
Exons	5244..5420, 5247..5414, 5451..5489		

Seq. No.	42615	Seq. ID	OJ000223_07.0323.C6
Gene No.	88865	Strand	-
Start	890	End	1389
Name	OJ000223_07.0323.C6.o1.tm	Method	TBLASTX:Maize
Start	295	End	1389
GI	none	Score	65
Exons	295..369, 439..483, 439..468, 440..484, 1027..1140, 1028..1141, 1240..1275, 1241..1276, 1273..1389, 1274..1378, 1276..1389		

Seq. No.	42615	Seq. ID	OJ000223_07.0323.C6
Gene No.	88865	Strand	-
Start	890	End	1389
Name	OJ000223_07.0323.C6.o1.np	Method	AAT/NAP
Start	890	End	1146
GI	7489517	Score	107
Exons	890..1146		
GI Descrip.	NOI protein - rice gi\|2642217\|gb\|AAB86939.1\| (AF030387) NOI protein [Oryza sativa]		

Seq. No.	42615	Seq. ID	OJ000223_07.0323.C6
Gene No.	88865	Strand	-
Start	890	End	1389
Name	OJ000223_07.0323.C6.o1.gs	Method	GENSCAN
Start	952	End	1324
GI	none	Score	.96
Exons	952..1140, 1240..1324		

Seq. No.	42615	Seq. ID	OJ000223_07.0323.C6
Gene No.	88865	Strand	-
Start	890	End	1389
Name	OJ000223_07.0323.C6.o1.ts	Method	TBLASTX:Soybean
Start	997	End	1299

GI	none	Score	132
Exons	997..1140, 998..1141, 1033..1167, 1240..1299, 1241..1288		
Seq. No.	42616	Seq. ID	OJ000223_07.0323.C7
Gene No.	88866	Strand	+
Start	872	End	1650
Name	OJ000223_07.0323.C7.o1.gs	Method	GENSCAN
Start	872	End	1650
GI	none	Score	.55
Exons	872..1097, 1118..1294, 1575..1650		
Seq. No.	42616	Seq. ID	OJ000223_07.0323.C7
Gene No.	88867	Strand	+
Start	3392	End	3554
Name	OJ000223_07.0323.C7.o2.gs	Method	GENSCAN
Start	3392	End	3554
GI	none	Score	.48
Exons	3392..3554		
Seq. No.	42616	Seq. ID	OJ000223_07.0323.C7
Gene No.	88868	Strand	-
Start	1	End	1251
Name	OJ000223_07.0323.C7.o1.gp	Method	AAT/GAP
Start	1	End	1251
GI	none	Score	546
Exons	1..99, 1059..1251		
Seq. No.	42617	Seq. ID	OJ000223_07.0323.C8
Gene No.	88869	Strand	+
Start	80	End	251
Name	OJ000223_07.0323.C8.o1.gp	Method	AAT/GAP
Start	80	End	251
GI	2800454	Score	240
Exons	80..251		
Seq. No.	42617	Seq. ID	OJ000223_07.0323.C8
Gene No.	88870	Strand	+
Start	284	End	2482
Name	OJ000223_07.0323.C8.o1.gs	Method	GENSCAN
Start	284	End	2482
GI	none	Score	.99
Exons	284..2482		
Seq. No.	42617	Seq. ID	OJ000223_07.0323.C8
Gene No.	88871	Strand	-
Start	2755	End	3225
Name	OJ000223_07.0323.C8.o2.gs	Method	GENSCAN
Start	2755	End	3225
GI	none	Score	.41
Exons	2755..3225		
Seq. No.	42618	Seq. ID	OJ000223_07.0323.C9
Gene No.	88872	Strand	+
Start	1	End	247
Name	OJ000223_07.0323.C9.o1.np	Method	AAT/NAP
Start	1	End	247
GI	130582	Score	219

Exons	1..247		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi\|100342\|pir\|\|S04273 hypothetical protein - common tobacco gi\|20045\|emb\|CAA32025\| (X13777) ORF [Nicotiana tabacum]		
Seq. No.	42618	Seq. ID	OJ000223_07.0323.C9
Gene No.	88872	Strand	+
Start	1	End	247
Name	OJ000223_07.0323.C9.o1.tm	Method	TBLASTX:Maize
Start	7	End	240
GI	none	Score	56
Exons	7..114, 8..238, 8..238, 208..240		
Seq. No.	42619	Seq. ID	OJ000223_07.0323.C10
Gene No.	88873	Strand	+
Start	2607	End	3004
Name	OJ000223_07.0323.C10.o2.np	Method	AAT/NAP
Start	2607	End	3004
GI	7523512	Score	109
Exons	2607..2705, 2832..3004		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	42619	Seq. ID	OJ000223_07.0323.C10
Gene No.	88874	Strand	+
Start	3034	End	6492
Name	OJ000223_07.0323.C10.o4.np	Method	AAT/NAP
Start	3034	End	6492
GI	6069646	Score	305
Exons	3034..3059, 6035..6492		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	42619	Seq. ID	OJ000223_07.0323.C10
Gene No.	88875	Strand	-
Start	2044	End	6492
Name	OJ000223_07.0323.C10.o2.gs	Method	GENSCAN
Start	2044	End	5861
GI	none	Score	.61
Exons	2044..2172, 2336..2451, 4660..5223, 5352..5861		
Seq. No.	42619	Seq. ID	OJ000223_07.0323.C10
Gene No.	88875	Strand	-
Start	2044	End	6492
Name	OJ000223_07.0323.C10.o1.np	Method	AAT/NAP
Start	2119	End	2604
GI	5042454	Score	238
Exons	2119..2172, 2408..2604		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	42619	Seq. ID	OJ000223_07.0323.C10
Gene No.	88875	Strand	-
Start	2044	End	6492
Name	OJ000223_07.0323.C10.o3.np	Method	AAT/NAP

Start	4705	End	6492
GI	3860163	Score	71
Exons	4705..5000, 6452..6492		
GI Descrip.	(AF098962) disease resistance protein RPP1-WsA [Arabidopsis thaliana]		

Seq. No.	42619	Seq. ID	OJ000223_07.0323.C10
Gene No.	88875	Strand	-
Start	2044	End	6492
Name	OJ000223_07.0323.C10.o1.tm	Method	TBLASTX:Maize
Start	6031	End	6444
GI	none	Score	358
Exons	6031..6444, 6048..6443		

Seq. No.	42620	Seq. ID	OJ000223_07.0323.C11
Gene No.	88876	Strand	+
Start	1	End	1479
Name	OJ000223_07.0323.C11.o1.np	Method	AAT/NAP
Start	1	End	1479
GI	6069646	Score	574
Exons	1..225, 508..1479		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	42620	Seq. ID	OJ000223_07.0323.C11
Gene No.	88876	Strand	+
Start	1	End	1479
Name	OJ000223_07.0323.C11.o1.tm	Method	TBLASTX:Maize
Start	2	End	454
GI	none	Score	324
Exons	2..454		

Seq. No.	42620	Seq. ID	OJ000223_07.0323.C11
Gene No.	88876	Strand	+
Start	1	End	1479
Name	OJ000223_07.0323.C11.o1.ts	Method	TBLASTX:Soybean
Start	68	End	616
GI	none	Score	171
Exons	68..394, 475..570, 488..616		

Seq. No.	42620	Seq. ID	OJ000223_07.0323.C11
Gene No.	88876	Strand	+
Start	1	End	1479
Name	OJ000223_07.0323.C11.o1.tw	Method	TBLASTX:Wheat
Start	89	End	529
GI	none	Score	185
Exons	89..391, 199..357, 404..529		

Seq. No.	42620	Seq. ID	OJ000223_07.0323.C11
Gene No.	88876	Strand	+
Start	1	End	1479
Name	OJ000223_07.0323.C11.o1.gs	Method	GENSCAN
Start	101	End	1474
GI	none	Score	.47

Exons	101..986, 1010..1039, 1245..1474		
Seq. No.	42620	Seq. ID	OJ000223_07.0323.C11
Gene No.	88876	Strand	+
Start	1	End	1479
Name	OJ000223_07.0323.C11.o3.tm	Method	TBLASTX:Maize
Start	454	End	733
GI	none	Score	204
Exons	454..573, 455..733		
Seq. No.	42620	Seq. ID	OJ000223_07.0323.C11
Gene No.	88876	Strand	+
Start	1	End	1479
Name	OJ000223_07.0323.C11.o2.tw	Method	TBLASTX:Wheat
Start	698	End	1060
GI	none	Score	89
Exons	698..901, 908..1060		
Seq. No.	42620	Seq. ID	OJ000223_07.0323.C11
Gene No.	88876	Strand	+
Start	1	End	1479
Name	OJ000223_07.0323.C11.o2.tm	Method	TBLASTX:Maize
Start	875	End	1456
GI	none	Score	295
Exons	875..1456, 940..1212, 1028..1381		
Seq. No.	42620	Seq. ID	OJ000223_07.0323.C11
Gene No.	88876	Strand	+
Start	1	End	1479
Name	OJ000223_07.0323.C11.o3.tw	Method	TBLASTX:Wheat
Start	1073	End	1444
GI	none	Score	110
Exons	1073..1237, 1075..1236, 1268..1381, 1271..1444		
Seq. No.	42621	Seq. ID	OJ000223_07.0323.C12
Gene No.	88877	Strand	+
Start	476	End	1087
Name	OJ000223_07.0323.C12.o1.gs	Method	GENSCAN
Start	476	End	1087
GI	none	Score	.63
Exons	476..652, 1048..1087		
Seq. No.	42621	Seq. ID	OJ000223_07.0323.C12
Gene No.	88878	Strand	+
Start	4649	End	5246
Name	OJ000223_07.0323.C12.o3.gp	Method	AAT/GAP
Start	4649	End	5246
GI	2800454	Score	234
Exons	4649..4673, 5100..5246		
Seq. No.	42621	Seq. ID	OJ000223_07.0323.C12
Gene No.	88879	Strand	-
Start	1	End	345
Name	OJ000223_07.0323.C12.o1.gp	Method	AAT/GAP
Start	1	End	345
GI	1605_2.R1084	Score	663
Exons	1..345		

GI Descrip. '4093169 3.0e-56 (AF095933) p20-Arc [Dictyostelium discoideum]'

Seq. No.	42621	Seq. ID	OJ000223_07.0323.C12
Gene No.	88880	Strand	-
Start	1774	End	3875
Name	OJ000223_07.0323.C12.o2.gs	Method	GENSCAN
Start	1774	End	3875
GI	none	Score	.99
Exons	1774..2141, 3590..3875		

Seq. No.	42621	Seq. ID	OJ000223_07.0323.C12
Gene No.	88881	Strand	-
Start	3839	End	4290
Name	OJ000223_07.0323.C12.o2.gp	Method	AAT/GAP
Start	3839	End	4290
GI	2311066	Score	631
Exons	3839..4165, 4268..4290		

Seq. No.	42621	Seq. ID	OJ000223_07.0323.C12
Gene No.	88882	Strand	-
Start	5145	End	6494
Name	OJ000223_07.0323.C12.o3.gs	Method	GENSCAN
Start	5145	End	6494
GI	none	Score	.54
Exons	5145..5224, 6078..6200, 6332..6494		

Seq. No.	42621	Seq. ID	OJ000223_07.0323.C12
Gene No.	88883	Strand	-
Start	8017	End	9811
Name	OJ000223_07.0323.C12.o3.tw	Method	TBLASTX:Wheat
Start	1648	End	1965
GI	none	Score	42
Exons	1648..1677, 1743..1928, 1750..1965, 1751..1879, 1755..1964		

Seq. No.	42621	Seq. ID	OJ000223_07.0323.C12
Gene No.	88883	Strand	-
Start	8017	End	9811
Name	OJ000223_07.0323.C12.o3.tm	Method	TBLASTX:Maize
Start	1760	End	3813
GI	none	Score	77
Exons	1760..1879, 1760..1879, 1761..1928, 1774..2142, 1776..2132, 1922..2143, 1984..2142, 3562..3813, 3588..3812		

Seq. No.	42621	Seq. ID	OJ000223_07.0323.C12
Gene No.	88883	Strand	-
Start	8017	End	9811
Name	OJ000223_07.0323.C12.o2.ts	Method	TBLASTX:Soybean
Start	7996	End	8676
GI	none	Score	72
Exons	7996..8259, 8093..8254, 8287..8676, 8372..8482, 8516..8671		

Seq. No.	42621	Seq. ID	OJ000223_07.0323.C12
Gene No.	88883	Strand	-
Start	8017	End	9811
Name	OJ000223_07.0323.C12.o4.gs	Method	GENSCAN
Start	8017	End	9734
GI	none	Score	.82

Exons	8017..9734		
Seq. No.	42621	Seq. ID	OJ000223_07.0323.C12
Gene No.	88883	Strand	-
Start	8017	End	9811
Name	OJ000223_07.0323.C12.o1.np	Method	AAT/NAP
Start	8020	End	9811
GI	6630685	Score	1703
Exons	8020..9811		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		
Seq. No.	42621	Seq. ID	OJ000223_07.0323.C12
Gene No.	88883	Strand	-
Start	8017	End	9811
Name	OJ000223_07.0323.C12.o1.tc	Method	TBLASTX:Cress
Start	8038	End	8697
GI	none	Score	67
Exons	8038..8250, 8132..8251, 8269..8403, 8515..8685, 8524..8697		
Seq. No.	42621	Seq. ID	OJ000223_07.0323.C12
Gene No.	88883	Strand	-
Start	8017	End	9811
Name	OJ000223_07.0323.C12.o1.tm	Method	TBLASTX:Maize
Start	8038	End	8694
GI	none	Score	301
Exons	8038..8694, 8039..8686		
Seq. No.	42621	Seq. ID	OJ000223_07.0323.C12
Gene No.	88883	Strand	-
Start	8017	End	9811
Name	OJ000223_07.0323.C12.o2.tw	Method	TBLASTX:Wheat
Start	8461	End	8877
GI	none	Score	85
Exons	8461..8697, 8462..8686, 8725..8877		
Seq. No.	42621	Seq. ID	OJ000223_07.0323.C12
Gene No.	88883	Strand	-
Start	8017	End	9811
Name	OJ000223_07.0323.C12.o3.ts	Method	TBLASTX:Soybean
Start	8677	End	8905
GI	none	Score	70
Exons	8677..8901, 8738..8905		
Seq. No.	42621	Seq. ID	OJ000223_07.0323.C12
Gene No.	88883	Strand	-
Start	8017	End	9811
Name	OJ000223_07.0323.C12.o2.tm	Method	TBLASTX:Maize
Start	8938	End	9385
GI	none	Score	78
Exons	8938..9384, 8946..9230, 8948..9385		
Seq. No.	42621	Seq. ID	OJ000223_07.0323.C12
Gene No.	88883	Strand	-
Start	8017	End	9811
Name	OJ000223_07.0323.C12.o1.ts	Method	TBLASTX:Soybean
Start	9047	End	9616

GI	5509260	Score	413
Exons	9047..9616, 9049..9576		
GI Descrip.	-		

Seq. No.	42621	Seq. ID	OJ000223_07.0323.C12
Gene No.	88883	Strand	-
Start	8017	End	9811
Name	OJ000223_07.0323.C12.o1.tw	Method	TBLASTX:Wheat
Start	9064	End	9531
GI	none	Score	151
Exons	9064..9408, 9065..9232, 9263..9391, 9442..9531, 9448..9525		

Seq. No.	42621	Seq. ID	OJ000223_07.0323.C12
Gene No.	88883	Strand	-
Start	8017	End	9811
Name	OJ000223_07.0323.C12.o2.tc	Method	TBLASTX:Cress
Start	9166	End	9432
GI	none	Score	116
Exons	9166..9432, 9167..9427		

Seq. No.	42622	Seq. ID	OJ000223_01.0320.C3
Gene No.	88884	Strand	+
Start	2862	End	6215
Name	OJ000223_01.0320.C3.o1.np	Method	AAT/NAP
Start	2862	End	6215
GI	1666096	Score	686
Exons	2862..3203, 5040..5447, 5965..6215		
GI Descrip.	(Y09113) dioxygenase [Marah macrocarpus]		

Seq. No.	42622	Seq. ID	OJ000223_01.0320.C3
Gene No.	88885	Strand	-
Start	8170	End	8229
Name	OJ000223_01.0320.C3.o1.ts	Method	TBLASTX:Soybean
Start	3000	End	6198
GI	none	Score	54
Exons	3000..3044, 3129..3188, 5088..5258, 5106..5279, 5301..5402, 5303..5401, 5406..5450, 5414..5449, 5962..6198		

Seq. No.	42622	Seq. ID	OJ000223_01.0320.C3
Gene No.	88885	Strand	-
Start	8170	End	8229
Name	OJ000223_01.0320.C3.o2.tm	Method	TBLASTX:Maize
Start	5085	End	5455
GI	none	Score	108
Exons	5085..5171, 5088..5171, 5187..5255, 5187..5249, 5286..5363, 5291..5362, 5301..5372, 5303..5371, 5369..5455, 5373..5408, 5406..5450		

Seq. No.	42622	Seq. ID	OJ000223_01.0320.C3
Gene No.	88885	Strand	-
Start	8170	End	8229
Name	OJ000223_01.0320.C3.o1.tm	Method	TBLASTX:Maize
Start	5962	End	6206
GI	none	Score	322
Exons	5962..6198, 6090..6206		

Seq. No.	42622	Seq. ID	OJ000223_01.0320.C3

Gene No.	88885	Strand	-
Start	8170	End	8229
Name	OJ000223_01.0320.C3.o1.gp	Method	AAT/GAP
Start	8170	End	8229
GI	35458_1.R1084	Score	66
Exons	8170..8229		
GI Descrip.	'3868853/dbj\|BAA34247\| 1.0e-21 (AB013853) GPI-anchored protein [Vigna radiata]'		

Seq. No.	42623	Seq. ID	OJ000223_01.0320.C4
Gene No.	88886	Strand	+
Start	2116	End	3088
Name	OJ000223_01.0320.C4.o1.np	Method	AAT/NAP
Start	2116	End	3088
GI	6006372	Score	40
Exons	2116..2203, 3043..3088		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	42623	Seq. ID	OJ000223_01.0320.C4
Gene No.	88887	Strand	-
Start	1590	End	2568
Name	OJ000223_01.0320.C4.o1.gs	Method	GENSCAN
Start	1590	End	2568
GI	none	Score	.61
Exons	1590..1656, 2396..2568		

Seq. No.	42624	Seq. ID	OJ000223_01.0320.C6
Gene No.	88888	Strand	-
Start	449	End	3371
Name	OJ000223_01.0320.C6.o1.gp	Method	AAT/GAP
Start	449	End	508
GI	LIB3433-052-P1-K1-H4	Score	91
Exons	449..508		
GI Descrip.	'4375834/emb\|CAA16799.1\| 2.0e-29 (AL021713) putative protein [Arabidopsis thaliana]'		

Seq. No.	42624	Seq. ID	OJ000223_01.0320.C6
Gene No.	88888	Strand	-
Start	449	End	3371
Name	OJ000223_01.0320.C6.o1.gs	Method	GENSCAN
Start	449	End	3371
GI	none	Score	.81
Exons	449..595, 1459..1728, 2141..2303, 2410..2429, 2794..2847, 2897..3371		

Seq. No.	42624	Seq. ID	OJ000223_01.0320.C6
Gene No.	88889	Strand	-
Start	4781	End	4938
Name	OJ000223_01.0320.C6.o2.gs	Method	GENSCAN
Start	4781	End	4938
GI	none	Score	.99
Exons	4781..4938		

Seq. No.	42625	Seq. ID	OJ000223_01.0320.C7
Gene No.	88890	Strand	+
Start	4453	End	7182
Name	OJ000223_01.0320.C7.o2.gs	Method	GENSCAN

Start	4453	End	7182
GI	none	Score	.44
Exons	4453..4507, 4613..4780, 6117..6172, 6859..7182		

Seq. No.	42625	Seq. ID	OJ000223_01.0320.C7
Gene No.	88891	Strand	-
Start	1	End	3236
Name	OJ000223_01.0320.C7.o1.np	Method	AAT/NAP
Start	1	End	3236
GI	7444451	Score	2869
Exons	1..544, 578..3236		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi\|2586082\|gb\|AAB82754.1\| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	42625	Seq. ID	OJ000223_01.0320.C7
Gene No.	88891	Strand	-
Start	1	End	3236
Name	OJ000223_01.0320.C7.o1.gs	Method	GENSCAN
Start	38	End	3224
GI	none	Score	.61
Exons	38..150, 313..1569, 2204..2371, 2392..2744, 2788..3224		

Seq. No.	42625	Seq. ID	OJ000223_01.0320.C7
Gene No.	88892	Strand	-
Start	3976	End	6107
Name	OJ000223_01.0320.C7.o2.np	Method	AAT/NAP
Start	3976	End	6107
GI	4218535	Score	126
Exons	3976..4063, 5707..5867, 5953..6107		
GI Descrip.	(AJ010829) GRAB1 protein [Triticum sp.]		

Seq. No.	42625	Seq. ID	OJ000223_01.0320.C7
Gene No.	88893	Strand	-
Start	7403	End	7726
Name	OJ000223_01.0320.C7.o3.gs	Method	GENSCAN
Start	7403	End	7726
GI	none	Score	.89
Exons	7403..7531, 7580..7726		

Seq. No.	42625	Seq. ID	OJ000223_01.0320.C7
Gene No.	88894	Strand	-
Start	9808	End	10137
Name	OJ000223_01.0320.C7.o1.ts	Method	TBLASTX:Soybean
Start	2	End	445
GI	5509260	Score	62
Exons	2..445, 48..119, 159..323, 209..427		
GI Descrip.	-		

Seq. No.	42625	Seq. ID	OJ000223_01.0320.C7
Gene No.	88894	Strand	-
Start	9808	End	10137
Name	OJ000223_01.0320.C7.o3.tw	Method	TBLASTX:Wheat
Start	2	End	278
GI	none	Score	71
Exons	2..277, 54..125, 177..278		

Seq. No.	42625	Seq. ID	OJ000223_01.0320.C7
Gene No.	88894	Strand	-
Start	9808	End	10137
Name	OJ000223_01.0320.C7.o2.tc	Method	TBLASTX:Cress
Start	59	End	325
GI	none	Score	70
Exons	59..142, 59..325, 78..314		

Seq. No.	42625	Seq. ID	OJ000223_01.0320.C7
Gene No.	88894	Strand	-
Start	9808	End	10137
Name	OJ000223_01.0320.C7.o3.tm	Method	TBLASTX:Maize
Start	98	End	419
GI	none	Score	95
Exons	98..415, 99..419		

Seq. No.	42625	Seq. ID	OJ000223_01.0320.C7
Gene No.	88894	Strand	-
Start	9808	End	10137
Name	OJ000223_01.0320.C7.o1.tc	Method	TBLASTX:Cress
Start	1061	End	1510
GI	none	Score	314
Exons	1061..1510		

Seq. No.	42625	Seq. ID	OJ000223_01.0320.C7
Gene No.	88894	Strand	-
Start	9808	End	10137
Name	OJ000223_01.0320.C7.o2.tw	Method	TBLASTX:Wheat
Start	1061	End	1421
GI	none	Score	157
Exons	1061..1408, 1068..1421		

Seq. No.	42625	Seq. ID	OJ000223_01.0320.C7
Gene No.	88894	Strand	-
Start	9808	End	10137
Name	OJ000223_01.0320.C7.o1.tm	Method	TBLASTX:Maize
Start	1091	End	1516
GI	none	Score	71
Exons	1091..1405, 1427..1516		

Seq. No.	42625	Seq. ID	OJ000223_01.0320.C7
Gene No.	88894	Strand	-
Start	9808	End	10137
Name	OJ000223_01.0320.C7.o2.ts	Method	TBLASTX:Soybean
Start	1094	End	1513
GI	none	Score	231
Exons	1094..1513		

Seq. No.	42625	Seq. ID	OJ000223_01.0320.C7
Gene No.	88894	Strand	-
Start	9808	End	10137
Name	OJ000223_01.0320.C7.o3.ts	Method	TBLASTX:Soybean
Start	1536	End	1934
GI	none	Score	62
Exons	1536..1691, 1716..1844, 1724..1849, 1830..1934		

Seq. No.	42625	Seq. ID	OJ000223_01.0320.C7

Gene No.	88894	Strand	-
Start	9808	End	10137
Name	OJ000223_01.0320.C7.o4.tm	Method	TBLASTX:Maize
Start	1986	End	2288
GI	none	Score	93
Exons	1986..2288, 1999..2286		

Seq. No.	42625	Seq. ID	OJ000223_01.0320.C7
Gene No.	88894	Strand	-
Start	9808	End	10137
Name	OJ000223_01.0320.C7.o1.tw	Method	TBLASTX:Wheat
Start	1993	End	2375
GI	none	Score	185
Exons	1993..2334, 1995..2375, 2016..2342		

Seq. No.	42625	Seq. ID	OJ000223_01.0320.C7
Gene No.	88894	Strand	-
Start	9808	End	10137
Name	OJ000223_01.0320.C7.o4.tw	Method	TBLASTX:Wheat
Start	2717	End	3143
GI	none	Score	60
Exons	2717..2740, 2741..2875, 2743..2874, 2904..3032, 2905..3033, 3006..3143		

Seq. No.	42625	Seq. ID	OJ000223_01.0320.C7
Gene No.	88894	Strand	-
Start	9808	End	10137
Name	OJ000223_01.0320.C7.o2.tm	Method	TBLASTX:Maize
Start	2743	End	3140
GI	none	Score	102
Exons	2743..2886, 2744..2887, 2887..3024, 2892..3032, 3036..3140		

Seq. No.	42625	Seq. ID	OJ000223_01.0320.C7
Gene No.	88894	Strand	-
Start	9808	End	10137
Name	OJ000223_01.0320.C7.o4.gs	Method	GENSCAN
Start	9808	End	10137
GI	none	Score	.44
Exons	9808..9876, 10117..10137		

Seq. No.	42626	Seq. ID	OJ000223_01.0320.C12
Gene No.	88895	Strand	+
Start	5701	End	6125
Name	OJ000223_01.0320.C12.o2.gs	Method	GENSCAN
Start	5701	End	6125
GI	none	Score	.57
Exons	5701..5742, 5774..5998, 6072..6125		

Seq. No.	42626	Seq. ID	OJ000223_01.0320.C12
Gene No.	88896	Strand	-
Start	701	End	3599
Name	OJ000223_01.0320.C12.o1.gs	Method	GENSCAN
Start	701	End	3599
GI	none	Score	.57
Exons	701..755, 2295..2415, 2786..3599		

Seq. No.	42626	Seq. ID	OJ000223_01.0320.C12

Gene No.	88897	Strand	-
Start	7436	End	9382
Name	OJ000223_01.0320.C12.o3.gs	Method	GENSCAN
Start	7436	End	9382
GI	none	Score	.99
Exons	7436..7937, 8034..9382		

Seq. No.	42626	Seq. ID	OJ000223_01.0320.C12
Gene No.	88897	Strand	-
Start	7436	End	9382
Name	OJ000223_01.0320.C12.o1.np	Method	AAT/NAP
Start	7542	End	9340
GI	7449055	Score	2068
Exons	7542..7937, 8034..9340		
GI Descrip.	probable amino acid transport protein F19I3.19 - Arabidopsis thaliana gi\|3033391\|gb\|AAC12835.1\| (AC004238) putative amino acid transporter [Arabidopsis thaliana]		

Seq. No.	42626	Seq. ID	OJ000223_01.0320.C12
Gene No.	88897	Strand	-
Start	7436	End	9382
Name	OJ000223_01.0320.C12.o1.gp	Method	AAT/GAP
Start	7727	End	8540
GI	4715535	Score	1310
Exons	7727..7937, 8034..8540		
GI Descrip.	3033391 2.0e-65 (AC004238) putative amino acid transporter [Arabidopsis thaliana]		

Seq. No.	42626	Seq. ID	OJ000223_01.0320.C12
Gene No.	88898	Strand	-
Start	11143	End	11805
Name	OJ000223_01.0320.C12.o3.tc	Method	TBLASTX:Cress
Start	7562	End	7861
GI	none	Score	134
Exons	7562..7759, 7623..7763, 7757..7861		

Seq. No.	42626	Seq. ID	OJ000223_01.0320.C12
Gene No.	88898	Strand	-
Start	11143	End	11805
Name	OJ000223_01.0320.C12.o3.tm	Method	TBLASTX:Maize
Start	7565	End	7849
GI	none	Score	150
Exons	7565..7750, 7623..7751, 7736..7849, 7751..7822		

Seq. No.	42626	Seq. ID	OJ000223_01.0320.C12
Gene No.	88898	Strand	-
Start	11143	End	11805
Name	OJ000223_01.0320.C12.o3.ts	Method	TBLASTX:Soybean
Start	7565	End	7813
GI	none	Score	170
Exons	7565..7813, 7566..7811		

Seq. No.	42626	Seq. ID	OJ000223_01.0320.C12
Gene No.	88898	Strand	-
Start	11143	End	11805
Name	OJ000223_01.0320.C12.o2.tc	Method	TBLASTX:Cress
Start	7880	End	8372

GI	none	Score	205
Exons	7880..7942, 8030..8371, 8034..8372		

Seq. No.	42626	Seq. ID	OJ000223_01.0320.C12
Gene No.	88898	Strand	-
Start	11143	End	11805
Name	OJ000223_01.0320.C12.o2.tm	Method	TBLASTX:Maize
Start	8079	End	8626
GI	none	Score	91
Exons	8079..8213, 8135..8626, 8451..8591		

Seq. No.	42626	Seq. ID	OJ000223_01.0320.C12
Gene No.	88898	Strand	-
Start	11143	End	11805
Name	OJ000223_01.0320.C12.o4.ts	Method	TBLASTX:Soybean
Start	8103	End	8335
GI	none	Score	154
Exons	8103..8333, 8153..8335		

Seq. No.	42626	Seq. ID	OJ000223_01.0320.C12
Gene No.	88898	Strand	-
Start	11143	End	11805
Name	OJ000223_01.0320.C12.o2.ts	Method	TBLASTX:Soybean
Start	8447	End	8690
GI	none	Score	210
Exons	8447..8689, 8448..8690		

Seq. No.	42626	Seq. ID	OJ000223_01.0320.C12
Gene No.	88898	Strand	-
Start	11143	End	11805
Name	OJ000223_01.0320.C12.o1.tc	Method	TBLASTX:Cress
Start	8579	End	9334
GI	none	Score	252
Exons	8579..8779, 8783..9334, 8823..9137		

Seq. No.	42626	Seq. ID	OJ000223_01.0320.C12
Gene No.	88898	Strand	-
Start	11143	End	11805
Name	OJ000223_01.0320.C12.o1.tm	Method	TBLASTX:Maize
Start	8807	End	9346
GI	none	Score	296
Exons	8807..9346, 8814..9134		

Seq. No.	42626	Seq. ID	OJ000223_01.0320.C12
Gene No.	88898	Strand	-
Start	11143	End	11805
Name	OJ000223_01.0320.C12.o1.ts	Method	TBLASTX:Soybean
Start	8828	End	9070
GI	none	Score	214
Exons	8828..9070, 8832..9047		

Seq. No.	42626	Seq. ID	OJ000223_01.0320.C12
Gene No.	88898	Strand	-
Start	11143	End	11805
Name	OJ000223_01.0320.C12.o5.ts	Method	TBLASTX:Soybean
Start	9089	End	9337
GI	none	Score	63

Exons	9089..9337, 9090..9137		
Seq. No.	42626	Seq. ID	OJ000223_01.0320.C12
Gene No.	88898	Strand	-
Start	11143	End	11805
Name	OJ000223_01.0320.C12.o2.np	Method	AAT/NAP
Start	10380	End	11805
GI	5852084	Score	73
Exons	10380..10496, 11746..11805		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		
Seq. No.	42626	Seq. ID	OJ000223_01.0320.C12
Gene No.	88898	Strand	-
Start	11143	End	11805
Name	OJ000223_01.0320.C12.o4.gs	Method	GENSCAN
Start	11143	End	11728
GI	none	Score	.94
Exons	11143..11329, 11376..11432, 11681..11728		
Seq. No.	42627	Seq. ID	OJ000223_01.0320.C13
Gene No.	88899	Strand	-
Start	222	End	1158
Name	OJ000223_01.0320.C13.o1.gs	Method	GENSCAN
Start	222	End	1158
GI	none	Score	.75
Exons	222..615, 617..736, 839..970, 1110..1158		
Seq. No.	42628	Seq. ID	OJ000223_01.0320.C14
Gene No.	88900	Strand	+
Start	1824	End	3306
Name	OJ000223_01.0320.C14.o1.np	Method	AAT/NAP
Start	1824	End	3302
GI	6907106	Score	344
Exons	1824..1876, 2496..3001, 3060..3302		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	42628	Seq. ID	OJ000223_01.0320.C14
Gene No.	88900	Strand	+
Start	1824	End	3306
Name	OJ000223_01.0320.C14.o1.gp	Method	AAT/GAP
Start	2804	End	3306
GI	6547_1.R1084	Score	800
Exons	2804..3306		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 4.0e-52 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	42628	Seq. ID	OJ000223_01.0320.C14
Gene No.	88901	Strand	+
Start	5183	End	5957
Name	OJ000223_01.0320.C14.o2.np	Method	AAT/NAP
Start	5183	End	5957
GI	6907086	Score	905
Exons	5183..5957		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	42628	Seq. ID	OJ000223_01.0320.C14

Gene No.	88902	Strand	-
Start	3572	End	5862
Name	OJ000223_01.0320.C14.o2.gs	Method	GENSCAN
Start	3572	End	5862
GI	none	Score	.54
Exons	3572..3645, 5010..5052, 5631..5862		

Seq. No.	42629	Seq. ID	OJ000223_01.0320.C15
Gene No.	88903	Strand	+
Start	262	End	886
Name	OJ000223_01.0320.C15.o1.gs	Method	GENSCAN
Start	262	End	886
GI	none	Score	.45
Exons	262..434, 796..886		

Seq. No.	42629	Seq. ID	OJ000223_01.0320.C15
Gene No.	88904	Strand	+
Start	4826	End	6028
Name	OJ000223_01.0320.C15.o4.gs	Method	GENSCAN
Start	4826	End	6028
GI	none	Score	.82
Exons	4826..5332, 5446..5562, 5870..6028		

Seq. No.	42629	Seq. ID	OJ000223_01.0320.C15
Gene No.	88905	Strand	+
Start	11999	End	13087
Name	OJ000223_01.0320.C15.o2.gp	Method	AAT/GAP
Start	11999	End	13087
GI	4299_1.R1084	Score	2131
Exons	11999..13087		
GI Descrip.	'4337175/gb\|AAD18096\| 2.0e-30 (AC006416) ESTs gb_T20589, gb_T04648, gb_AA597906, gb_T04111, gb_R84180, gb_R65428, gb_T44439, gb_T76570, gb_R90004, gb_T45020, gb_T42457, gb_T20921, gb_AA042762 and gb_AA720210 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	42629	Seq. ID	OJ000223_01.0320.C15
Gene No.	88906	Strand	-
Start	1596	End	2120
Name	OJ000223_01.0320.C15.o2.gs	Method	GENSCAN
Start	1596	End	2120
GI	none	Score	.75
Exons	1596..2120		

Seq. No.	42629	Seq. ID	OJ000223_01.0320.C15
Gene No.	88907	Strand	-
Start	2609	End	4158
Name	OJ000223_01.0320.C15.o3.gs	Method	GENSCAN
Start	2609	End	4158
GI	none	Score	.66
Exons	2609..2772, 3093..3273, 3368..3612, 4110..4158		

Seq. No.	42629	Seq. ID	OJ000223_01.0320.C15
Gene No.	88908	Strand	-
Start	6303	End	8426
Name	OJ000223_01.0320.C15.o5.gs	Method	GENSCAN
Start	6303	End	8426

GI	none	Score	.92
Exons	6303..6634, 6897..7478, 7654..7920, 8108..8426		

Seq. No.	42629	Seq. ID	OJ000223_01.0320.C15
Gene No.	88908	Strand	-
Start	6303	End	8426
Name	OJ000223_01.0320.C15.o1.np	Method	AAT/NAP
Start	6432	End	7815
GI	7452444	Score	276
Exons	6432..6646, 6912..7490, 7713..7815		
GI Descrip.	hypothetical protein F20M13.60 - Arabidopsis thaliana gi\|4467137\|emb\|CAB37506.1\| (AL035540) putative protein [Arabidopsis thaliana] gi\|7270833\|emb\|CAB80514.1\| (AL161593) putative protein [Arabidopsis thaliana]		

Seq. No.	42629	Seq. ID	OJ000223_01.0320.C15
Gene No.	88909	Strand	-
Start	9402	End	10302
Name	OJ000223_01.0320.C15.o1.gp	Method	AAT/GAP
Start	9143	End	10302
GI	20898_1.R1084	Score	1835
Exons	9143..9837, 9993..10302		
GI Descrip.	'5734756/gb\|AAD50021.1\|AC007651_16 8.0e-54 (AC007651) Similar to SOUL Protein [Arabidopsis thaliana]'		

Seq. No.	42629	Seq. ID	OJ000223_01.0320.C15
Gene No.	88909	Strand	-
Start	9402	End	10302
Name	OJ000223_01.0320.C15.o6.gs	Method	GENSCAN
Start	9402	End	10213
GI	none	Score	.99
Exons	9402..9837, 9993..10213		

Seq. No.	42629	Seq. ID	OJ000223_01.0320.C15
Gene No.	88909	Strand	-
Start	9402	End	10302
Name	OJ000223_01.0320.C15.o2.np	Method	AAT/NAP
Start	9417	End	10252
GI	5734756	Score	615
Exons	9417..9837, 9993..10252		
GI Descrip.	(AC007651) Similar to SOUL Protein [Arabidopsis thaliana]		

Seq. No.	42629	Seq. ID	OJ000223_01.0320.C15
Gene No.	88910	Strand	-
Start	12487	End	12991
Name	OJ000223_01.0320.C15.o3.tw	Method	TBLASTX:Wheat
Start	6519	End	7191
GI	none	Score	38
Exons	6519..6665, 6892..6984, 6908..6985, 7007..7180, 7009..7191		

Seq. No.	42629	Seq. ID	OJ000223_01.0320.C15
Gene No.	88910	Strand	-
Start	12487	End	12991
Name	OJ000223_01.0320.C15.o3.tc	Method	TBLASTX:Cress
Start	6892	End	7230
GI	none	Score	168
Exons	6892..6984, 7009..7230		

Seq. No.	42629	Seq. ID	OJ000223_01.0320.C15
Gene No.	88910	Strand	-
Start	12487	End	12991
Name	OJ000223_01.0320.C15.o3.ts	Method	TBLASTX:Soybean
Start	7045	End	7479
GI	5058368	Score	137
Exons	7045..7224, 7327..7479		
GI Descrip.	3461817 5.0e-31 (AC004138) unknown protein [Arabidopsis thaliana]		

Seq. No.	42629	Seq. ID	OJ000223_01.0320.C15
Gene No.	88910	Strand	-
Start	12487	End	12991
Name	OJ000223_01.0320.C15.o2.tw	Method	TBLASTX:Wheat
Start	9384	End	9689
GI	none	Score	347
Exons	9384..9689, 9385..9672		

Seq. No.	42629	Seq. ID	OJ000223_01.0320.C15
Gene No.	88910	Strand	-
Start	12487	End	12991
Name	OJ000223_01.0320.C15.o2.tm	Method	TBLASTX:Maize
Start	9408	End	10151
GI	none	Score	401
Exons	9408..9839, 9409..9837, 9992..10147, 9996..10151		

Seq. No.	42629	Seq. ID	OJ000223_01.0320.C15
Gene No.	88910	Strand	-
Start	12487	End	12991
Name	OJ000223_01.0320.C15.o2.ts	Method	TBLASTX:Soybean
Start	9417	End	10148
GI	none	Score	67
Exons	9417..9521, 9427..9519, 9516..9638, 9532..9633, 9651..9839, 9652..9840, 9998..10147, 9999..10148		

Seq. No.	42629	Seq. ID	OJ000223_01.0320.C15
Gene No.	88910	Strand	-
Start	12487	End	12991
Name	OJ000223_01.0320.C15.o2.tc	Method	TBLASTX:Cress
Start	9424	End	10148
GI	none	Score	62
Exons	9424..9495, 9426..9503, 9519..9644, 9573..9839, 9709..9837, 9992..10147, 9993..10148		

Seq. No.	42629	Seq. ID	OJ000223_01.0320.C15
Gene No.	88910	Strand	-
Start	12487	End	12991
Name	OJ000223_01.0320.C15.o3.np	Method	AAT/NAP
Start	12124	End	12987
GI	4337175	Score	342
Exons	12124..12179, 12504..12987		
GI Descrip.	(AC006416) ESTs gb\|T20589, gb\|T04648, gb\|AA597906, gb\|T04111, gb\|R84180, gb\|R65428, gb\|T44439, gb\|T76570, gb\|R90004, gb\|T45020, gb\|T42457, gb\|T20921, gb\|AA042762 and gb\|AA720210 come from this gene. [Arabidopsis thaliana]		

Seq. No.	42629	Seq. ID	OJ000223_01.0320.C15
Gene No.	88910	Strand	-
Start	12487	End	12991
Name	OJ000223_01.0320.C15.o7.gs	Method	GENSCAN
Start	12487	End	12990
GI	none	Score	.83
Exons	12487..12990		

Seq. No.	42629	Seq. ID	OJ000223_01.0320.C15
Gene No.	88910	Strand	-
Start	12487	End	12991
Name	OJ000223_01.0320.C15.o1.ts	Method	TBLASTX:Soybean
Start	12550	End	12991
GI	none	Score	206
Exons	12550..12990, 12578..12991		

Seq. No.	42629	Seq. ID	OJ000223_01.0320.C15
Gene No.	88910	Strand	-
Start	12487	End	12991
Name	OJ000223_01.0320.C15.o1.tw	Method	TBLASTX:Wheat
Start	12550	End	12916
GI	none	Score	347
Exons	12550..12915, 12578..12916		

Seq. No.	42629	Seq. ID	OJ000223_01.0320.C15
Gene No.	88910	Strand	-
Start	12487	End	12991
Name	OJ000223_01.0320.C15.o1.tm	Method	TBLASTX:Maize
Start	12559	End	12991
GI	none	Score	432
Exons	12559..12990, 12578..12991		

Seq. No.	42629	Seq. ID	OJ000223_01.0320.C15
Gene No.	88910	Strand	-
Start	12487	End	12991
Name	OJ000223_01.0320.C15.o1.tc	Method	TBLASTX:Cress
Start	12568	End	12960
GI	none	Score	148
Exons	12568..12960, 12605..12922		

Seq. No.	42630	Seq. ID	OJ000223_01.0320.C16
Gene No.	88911	Strand	-
Start	2823	End	3025
Name	OJ000223_01.0320.C16.o1.gp	Method	AAT/GAP
Start	2823	End	3025
GI	LIB3477-003-P1-K1-E9	Score	103
Exons	2823..2892, 2989..3025		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	42630	Seq. ID	OJ000223_01.0320.C16
Gene No.	88912	Strand	-
Start	3424	End	5386
Name	OJ000223_01.0320.C16.o2.gs	Method	GENSCAN
Start	3424	End	5386
GI	none	Score	.69

Exons	3424..3726, 3758..3946, 4951..5062, 5196..5386		
Seq. No.	42630	Seq. ID	OJ000223_01.0320.C16
Gene No.	88913	Strand	-
Start	6089	End	7596
Name	OJ000223_01.0320.C16.o3.gs	Method	GENSCAN
Start	6089	End	7596
GI	none	Score	.85
Exons	6089..6201, 7027..7297, 7390..7596		
Seq. No.	42630	Seq. ID	OJ000223_01.0320.C16
Gene No.	88913	Strand	-
Start	6089	End	7596
Name	OJ000223_01.0320.C16.o1.np	Method	AAT/NAP
Start	6098	End	7579
GI	1084433	Score	138
Exons	6098..6216, 6269..6349, 6440..6708, 7159..7243, 7393..7579		
GI Descrip.	potassium channel protein KST1 - potato gi\|861147\|emb\|CAA56175.1\| (X79779) K+ channel inward rectifying [Solanum tuberosum]		
Seq. No.	42631	Seq. ID	OJ000223_01.0320.C17
Gene No.	88914	Strand	-
Start	1	End	4074
Name	OJ000223_01.0320.C17.o1.np	Method	AAT/NAP
Start	1	End	3822
GI	6714278	Score	424
Exons	1..19, 1139..1191, 1328..1387, 1491..1603, 1689..1761, 2502..2546, 2627..2740, 3582..3822		
GI Descrip.	(AC017118) F6N18.17 [Arabidopsis thaliana]		
Seq. No.	42631	Seq. ID	OJ000223_01.0320.C17
Gene No.	88914	Strand	-
Start	1	End	4074
Name	OJ000223_01.0320.C17.o2.gs	Method	GENSCAN
Start	758	End	3854
GI	none	Score	.82
Exons	758..790, 1144..1191, 1328..1387, 1491..1603, 1689..1761, 2627..2740, 2834..2860, 3570..3854		
Seq. No.	42631	Seq. ID	OJ000223_01.0320.C17
Gene No.	88914	Strand	-
Start	1	End	4074
Name	OJ000223_01.0320.C17.o1.ts	Method	TBLASTX:Soybean
Start	1136	End	3762
GI	none	Score	63
Exons	1136..1192, 1141..1206, 1326..1394, 1328..1393, 1491..1601, 1492..1602, 1515..1604, 1680..1757, 1690..1764, 1691..1762, 1693..1764, 1696..1764, 2491..2547, 2499..2555, 2630..2740, 2633..2743, 3697..3762, 3708..3761		
Seq. No.	42631	Seq. ID	OJ000223_01.0320.C17
Gene No.	88914	Strand	-
Start	1	End	4074
Name	OJ000223_01.0320.C17.o1.tm	Method	TBLASTX:Maize
Start	1138	End	2716
GI	none	Score	76

Exons	1138..1206, 1326..1394, 1328..1393, 1491..1601, 1495..1605, 1664..1762, 1690..1764, 2499..2546, 2621..2716		
Seq. No.	42631	Seq. ID	OJ000223_01.0320.C17
Gene No.	88914	Strand	-
Start	1	End	4074
Name	OJ000223_01.0320.C17.o1.tc	Method	TBLASTX:Cress
Start	1141	End	3773
GI	none	Score	60
Exons	1141..1206, 1326..1394, 1328..1393, 1491..1601, 1492..1605, 1521..1604, 1522..1602, 1689..1763, 1690..1764, 1691..1762, 2499..2546, 2500..2547, 2621..2743, 2630..2740, 2631..2747, 3708..3773		
Seq. No.	42631	Seq. ID	OJ000223_01.0320.C17
Gene No.	88914	Strand	-
Start	1	End	4074
Name	OJ000223_01.0320.C17.o1.tw	Method	TBLASTX:Wheat
Start	1337	End	2743
GI	none	Score	59
Exons	1337..1393, 1338..1394, 1491..1601, 1494..1598, 1495..1605, 1664..1762, 1690..1764, 1693..1764, 2499..2546, 2500..2547, 2603..2740, 2621..2743		
Seq. No.	42631	Seq. ID	OJ000223_01.0320.C17
Gene No.	88914	Strand	-
Start	1	End	4074
Name	OJ000223_01.0320.C17.o1.gp	Method	AAT/GAP
Start	2691	End	4074
GI	none	Score	1074
Exons	2691..2740, 3570..4074		
Seq. No.	42632	Seq. ID	OJ000203_03.0321.C1
Gene No.	88915	Strand	+
Start	2434	End	2782
Name	OJ000203_03.0321.C1.o1.np	Method	AAT/NAP
Start	2434	End	2782
GI	7447384	Score	364
Exons	2434..2782		
GI Descrip.	pectin methylesterase-like protein - maize gi\|2239262\|emb\|CAA73733.1\| (Y13285) pectin methylesterase-like protein [Zea mays]		
Seq. No.	42632	Seq. ID	OJ000203_03.0321.C1
Gene No.	88915	Strand	+
Start	2434	End	2782
Name	OJ000203_03.0321.C1.o1.gp	Method	AAT/GAP
Start	2436	End	2782
GI	uC-osflcyp052c05b1	Score	678
Exons	2436..2782		
GI Descrip.	'2239262/emb\|CAA73733\| 3.0e-22 (Y13285) pectin methylesterase-like protein [Zea mays]'		
Seq. No.	42632	Seq. ID	OJ000203_03.0321.C1
Gene No.	88916	Strand	-
Start	226	End	435
Name	OJ000203_03.0321.C1.o1.gs	Method	GENSCAN

Start	226	End	435
GI	none	Score	.64
Exons	226..435		

Seq. No.	42632	Seq. ID	OJ000203_03.0321.C1
Gene No.	88917	Strand	-
Start	1583	End	2781
Name	OJ000203_03.0321.C1.o2.gs	Method	GENSCAN
Start	1583	End	2768
GI	none	Score	.46
Exons	1583..1818, 2418..2607, 2640..2768		

Seq. No.	42632	Seq. ID	OJ000203_03.0321.C1
Gene No.	88917	Strand	-
Start	1583	End	2781
Name	OJ000203_03.0321.C1.o1.tm	Method	TBLASTX:Maize
Start	2509	End	2781
GI	none	Score	385
Exons	2509..2781, 2514..2744		

Seq. No.	42633	Seq. ID	OJ000203_03.0321.C2
Gene No.	88918	Strand	+
Start	1	End	1093
Name	OJ000203_03.0321.C2.o1.np	Method	AAT/NAP
Start	1	End	1090
GI	7447384	Score	1618
Exons	1..1090		
GI Descrip.	pectin methylesterase-like protein - maize gi\|2239262\|emb\|CAA73733.1\| (Y13285) pectin methylesterase-like protein [Zea mays]		

Seq. No.	42633	Seq. ID	OJ000203_03.0321.C2
Gene No.	88918	Strand	+
Start	1	End	1093
Name	OJ000203_03.0321.C2.o1.gs	Method	GENSCAN
Start	21	End	1093
GI	none	Score	.61
Exons	21..206, 233..1093		

Seq. No.	42633	Seq. ID	OJ000203_03.0321.C2
Gene No.	88918	Strand	+
Start	1	End	1093
Name	OJ000203_03.0321.C2.o1.gp	Method	AAT/GAP
Start	423	End	879
GI	40115_1.R1084	Score	855
Exons	423..879		
GI Descrip.	'2239262/emb\|CAA73733\| 7.0e-60 (Y13285) pectin methylesterase-like protein [Zea mays]'		

Seq. No.	42633	Seq. ID	OJ000203_03.0321.C2
Gene No.	88919	Strand	+
Start	1039	End	1405
Name	OJ000203_03.0321.C2.o2.gp	Method	AAT/GAP
Start	1039	End	1405
GI	3761524	Score	692
Exons	1039..1405		

Seq. No.	42633	Seq. ID	OJ000203_03.0321.C2
Gene No.	88920	Strand	+
Start	1805	End	1989
Name	OJ000203_03.0321.C2.o2.gs	Method	GENSCAN
Start	1805	End	1989
GI	none	Score	.76
Exons	1805..1912, 1978..1989		

Seq. No.	42633	Seq. ID	OJ000203_03.0321.C2
Gene No.	88921	Strand	-
Start	2184	End	2744
Name	OJ000203_03.0321.C2.o1.tm	Method	TBLASTX:Maize
Start	48	End	1111
GI	none	Score	91
Exons	48..146, 80..130, 135..224, 138..224, 185..235, 208..1098, 219..263, 221..1099, 1031..1111		

Seq. No.	42633	Seq. ID	OJ000203_03.0321.C2
Gene No.	88921	Strand	-
Start	2184	End	2744
Name	OJ000203_03.0321.C2.o1.ts	Method	TBLASTX:Soybean
Start	80	End	1084
GI	none	Score	157
Exons	80..232, 81..224, 215..1003, 232..984, 1010..1084		

Seq. No.	42633	Seq. ID	OJ000203_03.0321.C2
Gene No.	88921	Strand	-
Start	2184	End	2744
Name	OJ000203_03.0321.C2.o1.tc	Method	TBLASTX:Cress
Start	81	End	1083
GI	none	Score	51
Exons	81..122, 153..224, 155..232, 236..991, 238..738, 781..891, 937..990, 1001..1081, 1015..1083		

Seq. No.	42633	Seq. ID	OJ000203_03.0321.C2
Gene No.	88921	Strand	-
Start	2184	End	2744
Name	OJ000203_03.0321.C2.o2.tw	Method	TBLASTX:Wheat
Start	147	End	427
GI	none	Score	80
Exons	147..221, 147..218, 149..220, 238..414, 239..427		

Seq. No.	42633	Seq. ID	OJ000203_03.0321.C2
Gene No.	88921	Strand	-
Start	2184	End	2744
Name	OJ000203_03.0321.C2.o1.tw	Method	TBLASTX:Wheat
Start	430	End	867
GI	none	Score	566
Exons	430..867, 434..865, 682..867		

Seq. No.	42633	Seq. ID	OJ000203_03.0321.C2
Gene No.	88921	Strand	-
Start	2184	End	2744
Name	OJ000203_03.0321.C2.o3.gs	Method	GENSCAN
Start	2184	End	2744
GI	none	Score	.76
Exons	2184..2248, 2726..2744		

Seq. No.	42634	Seq. ID	OJ000203_03.0321.C3
Gene No.	88922	Strand	-
Start	2506	End	6058
Name	OJ000203_03.0321.C3.o2.gs	Method	GENSCAN
Start	2506	End	6058
GI	none	Score	.46
Exons	2506..2925, 3309..3892, 3981..4088, 4174..4297, 5727..5776, 5872..6058		

Seq. No.	42634	Seq. ID	OJ000203_03.0321.C3
Gene No.	88922	Strand	-
Start	2506	End	6058
Name	OJ000203_03.0321.C3.o1.np	Method	AAT/NAP
Start	3267	End	6043
GI	7430313	Score	728
Exons	3267..3892, 3981..4088, 4174..4297, 5727..5776, 5872..6043		
GI Descrip.	probable aldose 1-epimerase (EC 5.1.3.3) - common tobacco gi\|2739168\|gb\|AAB94619.1\| (AF032386) aldose-1-epimerase-like protein [Nicotiana tabacum]		

Seq. No.	42634	Seq. ID	OJ000203_03.0321.C3
Gene No.	88923	Strand	-
Start	6280	End	7437
Name	OJ000203_03.0321.C3.o2.tm	Method	TBLASTX:Maize
Start	3241	End	3511
GI	none	Score	232
Exons	3241..3471, 3291..3503, 3455..3511		

Seq. No.	42634	Seq. ID	OJ000203_03.0321.C3
Gene No.	88923	Strand	-
Start	6280	End	7437
Name	OJ000203_03.0321.C3.o1.tw	Method	TBLASTX:Wheat
Start	3268	End	3527
GI	none	Score	300
Exons	3268..3471, 3291..3527		

Seq. No.	42634	Seq. ID	OJ000203_03.0321.C3
Gene No.	88923	Strand	-
Start	6280	End	7437
Name	OJ000203_03.0321.C3.o1.ts	Method	TBLASTX:Soybean
Start	3277	End	5974
GI	none	Score	107
Exons	3277..3474, 3291..3542, 3513..3569, 3669..3893, 3979..4089, 3980..4090, 4172..4297, 5834..5974, 5862..5963		

Seq. No.	42634	Seq. ID	OJ000203_03.0321.C3
Gene No.	88923	Strand	-
Start	6280	End	7437
Name	OJ000203_03.0321.C3.o1.tm	Method	TBLASTX:Maize
Start	3543	End	5975
GI	none	Score	58
Exons	3543..3590, 3544..3603, 3585..3893, 3589..3711, 3735..3767, 3760..3894, 3967..4089, 3980..4090, 4172..4297, 4173..4295, 5719..5778, 5727..5777, 5849..5971, 5871..5975		

Seq. No.	42634	Seq. ID	OJ000203_03.0321.C3

Gene No.	88923	Strand	-
Start	6280	End	7437
Name	OJ000203_03.0321.C3.o1.tc	Method	TBLASTX:Cress
Start	3729	End	5956
GI	none	Score	78
Exons	3729..3893, 3760..3894, 3979..4089, 3980..4090, 4172..4285, 5834..5956		

Seq. No.	42634	Seq. ID	OJ000203_03.0321.C3
Gene No.	88923	Strand	-
Start	6280	End	7437
Name	OJ000203_03.0321.C3.o3.gs	Method	GENSCAN
Start	6280	End	7437
GI	none	Score	.62
Exons	6280..6475, 6750..7034, 7382..7437		

Seq. No.	42635	Seq. ID	OJ000203_03.0321.C4
Gene No.	88924	Strand	+
Start	5427	End	6072
Name	OJ000203_03.0321.C4.o2.gp	Method	AAT/GAP
Start	5427	End	6072
GI	4813_2.R1084	Score	1229
Exons	5427..6072		
GI Descrip.	'4586107/emb\|CAB40943.1\| 1.0e-26 (AL049638) putative disease resistance protein [Arabidopsis thaliana]'		

Seq. No.	42635	Seq. ID	OJ000203_03.0321.C4
Gene No.	88925	Strand	-
Start	2193	End	4185
Name	OJ000203_03.0321.C4.o2.gs	Method	GENSCAN
Start	2193	End	4037
GI	none	Score	.74
Exons	2193..2365, 2396..2582, 3679..3728, 3842..4037		

Seq. No.	42635	Seq. ID	OJ000203_03.0321.C4
Gene No.	88925	Strand	-
Start	2193	End	4185
Name	OJ000203_03.0321.C4.o1.gp	Method	AAT/GAP
Start	3784	End	4185
GI	3768019	Score	555
Exons	3784..4185		

Seq. No.	42635	Seq. ID	OJ000203_03.0321.C4
Gene No.	88926	Strand	-
Start	5429	End	6456
Name	OJ000203_03.0321.C4.o3.tm	Method	TBLASTX:Maize
Start	9	End	3959
GI	none	Score	108
Exons	9..92, 10..93, 2256..2303, 2257..2301, 2298..2366, 2299..2343, 2433..2582, 2458..2571, 3661..3771, 3679..3729, 3824..3922, 3840..3935, 3841..3939, 3846..3959		

Seq. No.	42635	Seq. ID	OJ000203_03.0321.C4
Gene No.	88926	Strand	-
Start	5429	End	6456
Name	OJ000203_03.0321.C4.o2.ts	Method	TBLASTX:Soybean
Start	2256	End	3935

GI	none	Score	63
Exons	2256..2366, 2257..2310, 2433..2582, 2434..2568, 3682..3780, 3698..3730, 3837..3935, 3841..3933		

Seq. No.	42635	Seq. ID	OJ000203_03.0321.C4
Gene No.	88926	Strand	-
Start	5429	End	6456
Name	OJ000203_03.0321.C4.o2.tm	Method	TBLASTX:Maize
Start	5421	End	5786
GI	none	Score	156
Exons	5421..5561, 5421..5537, 5429..5542, 5523..5606, 5545..5604, 5556..5606, 5595..5687, 5597..5701, 5598..5693, 5630..5785, 5667..5786		

Seq. No.	42635	Seq. ID	OJ000203_03.0321.C4
Gene No.	88926	Strand	-
Start	5429	End	6456
Name	OJ000203_03.0321.C4.o3.gs	Method	GENSCAN
Start	5429	End	6378
GI	none	Score	.72
Exons	5429..6229, 6277..6378		

Seq. No.	42635	Seq. ID	OJ000203_03.0321.C4
Gene No.	88926	Strand	-
Start	5429	End	6456
Name	OJ000203_03.0321.C4.o1.np	Method	AAT/NAP
Start	5437	End	6456
GI	6692098	Score	938
Exons	5437..5703, 5775..6456		
GI Descrip.	(AC007764) F22C12.10 [Arabidopsis thaliana]		

Seq. No.	42635	Seq. ID	OJ000203_03.0321.C4
Gene No.	88926	Strand	-
Start	5429	End	6456
Name	OJ000203_03.0321.C4.o1.ts	Method	TBLASTX:Soybean
Start	5454	End	6455
GI	none	Score	66
Exons	5454..5516, 5723..5833, 5786..5863, 5786..5863, 5786..5863, 5786..5863, 5786..5863, 5787..5864, 5793..5825, 5798..6451, 5841..5900, 5846..6061, 5847..5900, 5847..5900, 5847..5900, 5847..5900, 5849..6061, 5873..6265, 5910..6062, 5943..6020, 5943..6062, 5949..6362, 5952..6044, 5967..6062, 5982..6110, 5997..6062, 6015..6287, 6065..6106, 6070..6258, 6071..6256, 6071..6445, 6071..6448, 6072..6212, 6072..6365, 6072..6359, 6072..6284, 6084..6359, 6147..6365, 6159..6329, 6250..6447, 6309..6359, 6397..6450, 6411..6455		

Seq. No.	42635	Seq. ID	OJ000203_03.0321.C4
Gene No.	88926	Strand	-
Start	5429	End	6456
Name	OJ000203_03.0321.C4.o1.tc	Method	TBLASTX:Cress
Start	5786	End	6451
GI	none	Score	59
Exons	5786..5863, 5786..5863, 5786..5863, 5786..5836, 5838..6206, 5840..6451, 5841..5894, 5846..6061, 5847..5900, 5847..5900, 5849..6061, 5849..6007, 5850..5987, 5850..5900, 5873..6334, 5943..6362, 5943..6056, 5952..6044, 5952..6029, 6071..6448,		

6071..6448, 6071..6184, 6071..6235, 6072..6161, 6072..6365,
6072..6215, 6072..6365, 6074..6385, 6074..6316, 6081..6311,
6084..6296, 6084..6365, 6092..6301, 6103..6444, 6147..6365,
6159..6329, 6246..6359, 6292..6447, 6405..6449, 6408..6449

Seq. No.	42635	Seq. ID	OJ000203_03.0321.C4
Gene No.	88926	Strand	-
Start	5429	End	6456
Name	OJ000203_03.0321.C4.o1.tm	Method	TBLASTX:Maize
Start	5786	End	6451
GI	none	Score	67
Exons	5786..5842, 5786..5863, 5834..6061, 5835..5900, 5847..5900, 5849..5986, 5849..5917, 5850..5900, 5879..6301, 5935..5979, 5949..6296, 5955..6062, 6075..6203, 6114..6251, 6121..6288, 6146..6382, 6147..6365, 6192..6329, 6194..6370, 6227..6445, 6275..6445, 6296..6445, 6344..6448, 6371..6451		

Seq. No.	42636	Seq. ID	OJ000203_03.0321.C5
Gene No.	88927	Strand	-
Start	334	End	2889
Name	OJ000203_03.0321.C5.o2.tm	Method	TBLASTX:Maize
Start	92	End	348
GI	none	Score	155
Exons	92..262, 93..263, 97..264, 97..270, 256..348, 260..346		

Seq. No.	42636	Seq. ID	OJ000203_03.0321.C5
Gene No.	88927	Strand	-
Start	334	End	2889
Name	OJ000203_03.0321.C5.o1.gp	Method	AAT/GAP
Start	334	End	2889
GI	none	Score	922
Exons	334..664, 2740..2889		

Seq. No.	42636	Seq. ID	OJ000203_03.0321.C5
Gene No.	88927	Strand	-
Start	334	End	2889
Name	OJ000203_03.0321.C5.o1.tm	Method	TBLASTX:Maize
Start	416	End	636
GI	none	Score	209
Exons	416..616, 417..629, 423..629, 424..636		

Seq. No.	42637	Seq. ID	OJ000203_03.0321.C6
Gene No.	88928	Strand	+
Start	4993	End	9720
Name	OJ000203_03.0321.C6.o1.gp	Method	AAT/GAP
Start	4782	End	6643
GI	uC-osrocyp016g01b1	Score	947
Exons	4782..5095, 6326..6458, 6551..6643		
GI Descrip.	'5091623/gb\|AAD39611.1\|AC007454_10 9.0e-27 (AC007454) Similar to gb_U93048 somatic embryogenesis receptor-like kinase from Daucus carota, contains 4 PF_00560 Leucine Rich Repeat domains and a PF_00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]'		

Seq. No.	42637	Seq. ID	OJ000203_03.0321.C6
Gene No.	88928	Strand	+
Start	4993	End	9720

Name	OJ000203_03.0321.C6.o2.gs	Method	GENSCAN
Start	4993	End	9617
GI	none	Score	.82
Exons	4993..5095, 5387..5419, 6326..6458, 6551..6622, 6833..6976, 7440..7552, 7672..7800, 7881..8072, 8552..8946, 9306..9617		

Seq. No.	42637	Seq. ID	OJ000203_03.0321.C6
Gene No.	88928	Strand	+
Start	4993	End	9720
Name	OJ000203_03.0321.C6.o1.np	Method	AAT/NAP
Start	6231	End	9614
GI	5091623	Score	2392
Exons	6231..6458, 6551..6622, 6833..6976, 7100..7171, 7287..7358, 7440..7542, 7659..7800, 7881..8222, 8552..8946, 9306..9614		
GI Descrip.	(AC007454) Similar to gb\|U93048 somatic embryogenesis receptor-like kinase from Daucus carota, contains 4 PF\|00560 Leucine Rich Repeat domains and a PF\|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	42637	Seq. ID	OJ000203_03.0321.C6
Gene No.	88928	Strand	+
Start	4993	End	9720
Name	OJ000203_03.0321.C6.o2.gp	Method	AAT/GAP
Start	7674	End	8163
GI	LIB3432-051-P1-K1-B5	Score	746
Exons	7674..7800, 7881..8163		
GI Descrip.	'4490310/emb\|CAB38801.1\| 2.0e-50 (AL035678) somatic embryogenesis receptor-like kinase-like protein [Arabidopsis thaliana]'		

Seq. No.	42637	Seq. ID	OJ000203_03.0321.C6
Gene No.	88928	Strand	+
Start	4993	End	9720
Name	OJ000203_03.0321.C6.o3.gp	Method	AAT/GAP
Start	8673	End	9720
GI	6421_1.R1084	Score	1270
Exons	8673..8946, 9306..9720		
GI Descrip.	'5091623/gb\|AAD39611.1\|AC007454_10 7.0e-90 (AC007454) Similar to gb_U93048 somatic embryogenesis receptor-like kinase from Daucus carota, contains 4 PF_00560 Leucine Rich Repeat domains and a PF_00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]'		

Seq. No.	42637	Seq. ID	OJ000203_03.0321.C6
Gene No.	88929	Strand	-
Start	9284	End	12977
Name	OJ000203_03.0321.C6.o2.tw	Method	TBLASTX:Wheat
Start	6307	End	7172
GI	none	Score	179
Exons	6307..6435, 6324..6449, 6337..6480, 6546..6644, 6828..6977, 6834..6989, 7080..7172		

Seq. No.	42637	Seq. ID	OJ000203_03.0321.C6
Gene No.	88929	Strand	-
Start	9284	End	12977
Name	OJ000203_03.0321.C6.o2.tm	Method	TBLASTX:Maize
Start	6310	End	7358

GI	none	Score	201
Exons	6310..6447, 6318..6458, 6323..6457, 6325..6474, 6372..6467, 6546..6644, 6546..6635, 6551..6640, 6828..6977, 6829..6999, 6833..7045, 6852..6998, 6857..6976, 7101..7172, 7102..7140, 7104..7142, 7121..7171, 7287..7358, 7288..7356		

Seq. No.	42637	Seq. ID	OJ000203_03.0321.C6
Gene No.	88929	Strand	-
Start	9284	End	12977
Name	OJ000203_03.0321.C6.o3.tc	Method	TBLASTX:Cress
Start	6317	End	7172
GI	none	Score	193
Exons	6317..6448, 6324..6458, 6325..6444, 6325..6471, 6545..6664, 6546..6644, 6828..6977, 6834..6989, 6857..6952, 7101..7172		

Seq. No.	42637	Seq. ID	OJ000203_03.0321.C6
Gene No.	88929	Strand	-
Start	9284	End	12977
Name	OJ000203_03.0321.C6.o4.ts	Method	TBLASTX:Soybean
Start	6324	End	6578
GI	none	Score	191
Exons	6324..6458, 6325..6444, 6337..6471, 6546..6578		

Seq. No.	42637	Seq. ID	OJ000203_03.0321.C6
Gene No.	88929	Strand	-
Start	9284	End	12977
Name	OJ000203_03.0321.C6.o2.ts	Method	TBLASTX:Soybean
Start	6582	End	7476
GI	none	Score	72
Exons	6582..6644, 6828..6977, 6828..6944, 6857..6976, 7080..7172, 7105..7152, 7143..7175, 7287..7358, 7288..7356, 7422..7475, 7423..7476		

Seq. No.	42637	Seq. ID	OJ000203_03.0321.C6
Gene No.	88929	Strand	-
Start	9284	End	12977
Name	OJ000203_03.0321.C6.o1.tm	Method	TBLASTX:Maize
Start	7441	End	9617
GI	none	Score	65
Exons	7441..7482, 7722..7811, 7749..7799, 7879..8220, 7880..8221, 7981..8223, 8304..8345, 8532..8690, 8551..8949, 8551..8949, 9306..9617, 9306..9350, 9371..9616		

Seq. No.	42637	Seq. ID	OJ000203_03.0321.C6
Gene No.	88929	Strand	-
Start	9284	End	12977
Name	OJ000203_03.0321.C6.o1.ts	Method	TBLASTX:Soybean
Start	7670	End	9356
GI	none	Score	94
Exons	7670..7798, 7720..7800, 7722..7811, 7749..7799, 7879..8220, 7880..8221, 7906..8223, 8304..8345, 8532..8690, 8535..8930, 8551..8937, 8551..8934, 8778..8975, 9306..9356, 9306..9350		

Seq. No.	42637	Seq. ID	OJ000203_03.0321.C6
Gene No.	88929	Strand	-
Start	9284	End	12977
Name	OJ000203_03.0321.C6.o2.tc	Method	TBLASTX:Cress

Start	7847	End	8221
GI	none	Score	421
Exons	7847..8221, 7893..8108, 7894..8214		

Seq. No.	42637	Seq. ID	OJ000203_03.0321.C6
Gene No.	88929	Strand	-
Start	9284	End	12977
Name	OJ000203_03.0321.C6.o1.tw	Method	TBLASTX:Wheat
Start	8572	End	8892
GI	none	Score	314
Exons	8572..8886, 8575..8892		

Seq. No.	42637	Seq. ID	OJ000203_03.0321.C6
Gene No.	88929	Strand	-
Start	9284	End	12977
Name	OJ000203_03.0321.C6.o1.tc	Method	TBLASTX:Cress
Start	8611	End	9497
GI	none	Score	434
Exons	8611..8937, 8613..8690, 8617..8934, 9306..9497		

Seq. No.	42637	Seq. ID	OJ000203_03.0321.C6
Gene No.	88929	Strand	-
Start	9284	End	12977
Name	OJ000203_03.0321.C6.o3.np	Method	AAT/NAP
Start	9284	End	12977
GI	5902376	Score	123
Exons	9284..9317, 12808..12977		
GI Descrip.	(AC009322) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42637	Seq. ID	OJ000203_03.0321.C6
Gene No.	88929	Strand	-
Start	9284	End	12977
Name	OJ000203_03.0321.C6.o3.tw	Method	TBLASTX:Wheat
Start	9306	End	9617
GI	none	Score	202
Exons	9306..9518, 9380..9517, 9552..9617		

Seq. No.	42637	Seq. ID	OJ000203_03.0321.C6
Gene No.	88929	Strand	-
Start	9284	End	12977
Name	OJ000203_03.0321.C6.o3.ts	Method	TBLASTX:Soybean
Start	9357	End	9635
GI	none	Score	283
Exons	9357..9557, 9359..9547, 9552..9635, 9557..9616		

Seq. No.	42637	Seq. ID	OJ000203_03.0321.C6
Gene No.	88929	Strand	-
Start	9284	End	12977
Name	OJ000203_03.0321.C6.o4.gp	Method	AAT/GAP
Start	9751	End	9935
GI	none	Score	342
Exons	9751..9935		

Seq. No.	42637	Seq. ID	OJ000203_03.0321.C6
Gene No.	88929	Strand	-
Start	9284	End	12977
Name	OJ000203_03.0321.C6.o3.gs	Method	GENSCAN

Start	10644	End	11318
GI	none	Score	.68
Exons	10644..11140, 11234..11318		

Seq. No.	42638	Seq. ID	OJ000203_03.0321.C7
Gene No.	88930	Strand	+
Start	3306	End	4770
Name	OJ000203_03.0321.C7.o1.np	Method	AAT/NAP
Start	3306	End	4770
GI	7433817	Score	283
Exons	3306..3629, 4723..4770		
GI Descrip.	probable gamma-glutamyltransferase (EC 2.3.2.2) T19P19.40 - Arabidopsis thaliana gi\|3080434\|emb\|CAA18751.1\| (AL022605) putative gamma-glutamyltransferase [Arabidopsis thaliana] gi\|7270949\|emb\|CAB80628.1\| (AL161595) putative gamma-glutamyltransferase [Arabidopsis thaliana]		

Seq. No.	42638	Seq. ID	OJ000203_03.0321.C7
Gene No.	88931	Strand	-
Start	284	End	1081
Name	OJ000203_03.0321.C7.o1.gs	Method	GENSCAN
Start	284	End	1081
GI	none	Score	.94
Exons	284..400, 974..1081		

Seq. No.	42638	Seq. ID	OJ000203_03.0321.C7
Gene No.	88932	Strand	-
Start	2788	End	4649
Name	OJ000203_03.0321.C7.o2.gs	Method	GENSCAN
Start	2788	End	4649
GI	none	Score	.92
Exons	2788..3348, 3405..3706, 4501..4649		

Seq. No.	42639	Seq. ID	OJ000203_03.0321.C8
Gene No.	88933	Strand	+
Start	974	End	3406
Name	OJ000203_03.0321.C8.o1.np	Method	AAT/NAP
Start	974	End	2908
GI	7433816	Score	1447
Exons	974..1489, 1671..1906, 2041..2305, 2442..2579, 2690..2908		
GI Descrip.	probable gamma-glutamyltransferase (EC 2.3.2.2) T19P19.30 - Arabidopsis thaliana gi\|3080433\|emb\|CAA18750.1\| (AL022605) putative gamma-glutamyltransferase [Arabidopsis thaliana] gi\|7270948\|emb\|CAB80627.1\| (AL161595) putative gamma-glutamyltransferase [Arabidopsis thaliana]		

Seq. No.	42639	Seq. ID	OJ000203_03.0321.C8
Gene No.	88933	Strand	+
Start	974	End	3406
Name	OJ000203_03.0321.C8.o1.gs	Method	GENSCAN
Start	977	End	2911
GI	none	Score	.67
Exons	977..1489, 1671..1906, 2041..2305, 2442..2579, 2690..2911		

Seq. No.	42639	Seq. ID	OJ000203_03.0321.C8
Gene No.	88933	Strand	+
Start	974	End	3406

Name	OJ000203_03.0321.C8.o1.gp	Method	AAT/GAP
Start	1261	End	1899
GI	25020_1.R1084	Score	881
Exons	1261..1489, 1671..1899		
GI Descrip.	'4680189/gb\|AF111710.1\|AF111710 3.0e-34 Oryza sativa subsp. indica putative dnaJ-like protein, putative myb-related protein, putative farnesyl pyrophosphate synthase, and hypothetical protein genes, complete cds'		

Seq. No.	42639	Seq. ID	OJ000203_03.0321.C8
Gene No.	88933	Strand	+
Start	974	End	3406
Name	OJ000203_03.0321.C8.o2.gp	Method	AAT/GAP
Start	2760	End	3406
GI	5455327	Score	1192
Exons	2760..3406		
GI Descrip.	4680189/gb\|AF111710.1\|AF111710 3.0e-34 Oryza sativa subsp. indica putative dnaJ-like protein, putative myb-related protein, putative farnesyl pyrophosphate synthase, and hypothetical protein genes, complete cds		

Seq. No.	42639	Seq. ID	OJ000203_03.0321.C8
Gene No.	88934	Strand	+
Start	4638	End	5095
Name	OJ000203_03.0321.C8.o3.gp	Method	AAT/GAP
Start	4638	End	5095
GI	2429055	Score	889
Exons	4638..5095		

Seq. No.	42639	Seq. ID	OJ000203_03.0321.C8
Gene No.	88935	Strand	+
Start	6128	End	6739
Name	OJ000203_03.0321.C8.o3.gs	Method	GENSCAN
Start	6128	End	6739
GI	none	Score	.54
Exons	6128..6292, 6567..6629, 6713..6739		

Seq. No.	42639	Seq. ID	OJ000203_03.0321.C8
Gene No.	88936	Strand	-
Start	7377	End	9686
Name	OJ000203_03.0321.C8.o4.gs	Method	GENSCAN
Start	7377	End	9659
GI	none	Score	.79
Exons	7377..7478, 7659..7814, 7930..8034, 8067..8228, 8296..8386, 8857..8973, 9514..9659		

Seq. No.	42639	Seq. ID	OJ000203_03.0321.C8
Gene No.	88936	Strand	-
Start	7377	End	9686
Name	OJ000203_03.0321.C8.o2.np	Method	AAT/NAP
Start	7423	End	9686
GI	6069664	Score	678
Exons	7423..7564, 7663..7814, 8067..8505, 8857..8971, 9119..9183, 9514..9686		
GI Descrip.	(AP000616) ESTs AU055729(S20023),AU055730(S20023) correspond to a region of the predicted gene.; similar to Medicago nodulin N21-like protein (AC004218) [Oryza sativa]		

Seq. No.	42639	Seq. ID	OJ000203_03.0321.C8
Gene No.	88937	Strand	-
Start	10571	End	11070
Name	OJ000203_03.0321.C8.o1.tc	Method	TBLASTX:Cress
Start	968	End	2911
GI	none	Score	534
Exons	968..1171, 971..1492, 976..1491, 1722..1904, 1724..1909, 2038..2244, 2042..2197, 2227..2307, 2249..2305, 2441..2566, 2442..2585, 2687..2860, 2689..2820, 2861..2911, 2866..2904		

Seq. No.	42639	Seq. ID	OJ000203_03.0321.C8
Gene No.	88937	Strand	-
Start	10571	End	11070
Name	OJ000203_03.0321.C8.o1.tm	Method	TBLASTX:Maize
Start	1012	End	1405
GI	none	Score	470
Exons	1012..1398, 1013..1405, 1139..1405		

Seq. No.	42639	Seq. ID	OJ000203_03.0321.C8
Gene No.	88937	Strand	-
Start	10571	End	11070
Name	OJ000203_03.0321.C8.o1.ts	Method	TBLASTX:Soybean
Start	1061	End	1908
GI	none	Score	80
Exons	1061..1123, 1121..1495, 1126..1470, 1661..1861, 1671..1862, 1851..1907, 1867..1908		

Seq. No.	42639	Seq. ID	OJ000203_03.0321.C8
Gene No.	88937	Strand	-
Start	10571	End	11070
Name	OJ000203_03.0321.C8.o3.tm	Method	TBLASTX:Maize
Start	1811	End	2154
GI	none	Score	160
Exons	1811..1909, 1812..1907, 1818..1919, 2009..2152, 2038..2151, 2038..2154, 2039..2152		

Seq. No.	42639	Seq. ID	OJ000203_03.0321.C8
Gene No.	88937	Strand	-
Start	10571	End	11070
Name	OJ000203_03.0321.C8.o3.ts	Method	TBLASTX:Soybean
Start	2038	End	2305
GI	none	Score	180
Exons	2038..2298, 2039..2197, 2249..2305		

Seq. No.	42639	Seq. ID	OJ000203_03.0321.C8
Gene No.	88937	Strand	-
Start	10571	End	11070
Name	OJ000203_03.0321.C8.o2.tm	Method	TBLASTX:Maize
Start	2191	End	2925
GI	none	Score	67
Exons	2191..2292, 2249..2299, 2422..2583, 2433..2585, 2441..2584, 2473..2586, 2680..2793, 2687..2794, 2687..2815, 2792..2908, 2795..2917, 2800..2925		

Seq. No.	42639	Seq. ID	OJ000203_03.0321.C8
Gene No.	88937	Strand	-

Start	10571	End	11070
Name	OJ000203_03.0321.C8.o2.ts	Method	TBLASTX:Soybean
Start	2427	End	2902
GI	none	Score	123
Exons	2427..2585, 2439..2579, 2687..2848, 2689..2739, 2849..2902, 2854..2901		

Seq. No.	42639	Seq. ID	OJ000203_03.0321.C8
Gene No.	88937	Strand	-
Start	10571	End	11070
Name	OJ000203_03.0321.C8.o4.tm	Method	TBLASTX:Maize
Start	8194	End	8495
GI	none	Score	62
Exons	8194..8295, 8196..8294, 8382..8495, 8383..8493		

Seq. No.	42639	Seq. ID	OJ000203_03.0321.C8
Gene No.	88937	Strand	-
Start	10571	End	11070
Name	OJ000203_03.0321.C8.o5.gs	Method	GENSCAN
Start	10571	End	11070
GI	none	Score	.9
Exons	10571..10596, 11064..11070		

Seq. No.	42640	Seq. ID	OJ000203_03.0321.C9
Gene No.	88938	Strand	+
Start	621	End	710
Name	OJ000203_03.0321.C9.o1.gp	Method	AAT/GAP
Start	621	End	710
GI	LIB3477-003-P1-K1-E9	Score	143
Exons	621..710		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	42640	Seq. ID	OJ000203_03.0321.C9
Gene No.	88939	Strand	+
Start	2580	End	5152
Name	OJ000203_03.0321.C9.o1.gs	Method	GENSCAN
Start	2580	End	5152
GI	none	Score	.59
Exons	2580..2708, 3902..3972, 4208..4382, 5078..5152		

Seq. No.	42640	Seq. ID	OJ000203_03.0321.C9
Gene No.	88940	Strand	+
Start	6692	End	9155
Name	OJ000203_03.0321.C9.o2.gs	Method	GENSCAN
Start	6692	End	9155
GI	none	Score	.78
Exons	6692..6962, 8010..8169, 8509..8595, 9110..9155		

Seq. No.	42640	Seq. ID	OJ000203_03.0321.C9
Gene No.	88941	Strand	+
Start	9823	End	11007
Name	OJ000203_03.0321.C9.o2.gp	Method	AAT/GAP
Start	9759	End	11007
GI	1550_2.R1084	Score	2155
Exons	9759..10031, 10142..11007		

GI Descrip.	'733458 1.0e-107 (U23190) chlorophyll a/b-binding apoprotein CP24 precursor [Zea mays]'		
Seq. No.	42640	Seq. ID	OJ000203_03.0321.C9
Gene No.	88941	Strand	+
Start	9823	End	11007
Name	OJ000203_03.0321.C9.o3.gs	Method	GENSCAN
Start	9823	End	10691
GI	none	Score	.95
Exons	9823..10031, 10142..10691		
Seq. No.	42640	Seq. ID	OJ000203_03.0321.C9
Gene No.	88941	Strand	+
Start	9823	End	11007
Name	OJ000203_03.0321.C9.o1.np	Method	AAT/NAP
Start	9837	End	10688
GI	7443235	Score	1060
Exons	9837..10031, 10142..10688		
GI Descrip.	chlorophyll a/b-binding apoprotein CP24 precursor - maize gi\|733458\|gb\|AAA64416.1\| (U23190) chlorophyll a/b-binding apoprotein CP24 precursor [Zea mays]		
Seq. No.	42640	Seq. ID	OJ000203_03.0321.C9
Gene No.	88942	Strand	+
Start	15082	End	16099
Name	OJ000203_03.0321.C9.o5.gs	Method	GENSCAN
Start	15082	End	16099
GI	none	Score	.41
Exons	15082..15175, 15443..15641, 15988..16099		
Seq. No.	42640	Seq. ID	OJ000203_03.0321.C9
Gene No.	88943	Strand	-
Start	10130	End	12943
Name	OJ000203_03.0321.C9.o2.np	Method	AAT/NAP
Start	10130	End	12943
GI	2224927	Score	625
Exons	10130..10191, 11993..12703, 12737..12943		
GI Descrip.	(AF004213) ethylene-insensitive3-like1 [Arabidopsis thaliana]		
Seq. No.	42640	Seq. ID	OJ000203_03.0321.C9
Gene No.	88944	Strand	-
Start	15301	End	15755
Name	OJ000203_03.0321.C9.o3.gp	Method	AAT/GAP
Start	15301	End	15755
GI	LIB3434-025-P1-K1-D11	Score	834
Exons	15301..15755		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	42640	Seq. ID	OJ000203_03.0321.C9
Gene No.	88945	Strand	-
Start	16618	End	16935
Name	OJ000203_03.0321.C9.o4.gp	Method	AAT/GAP
Start	16618	End	16935
GI	none	Score	542
Exons	16618..16935		

Seq. No.	42640	Seq. ID	OJ000203_03.0321.C9
Gene No.	88946	Strand	-
Start	16838	End	17358
Name	OJ000203_03.0321.C9.o4.tm	Method	TBLASTX:Maize
Start	6643	End	8892
GI	none	Score	413
Exons	6643..6672, 6644..6964, 6680..6901, 6895..6963, 8008..8169, 8009..8170, 8009..8176, 8013..8186, 8507..8848, 8517..8816, 8525..8845, 8527..8892		

Seq. No.	42640	Seq. ID	OJ000203_03.0321.C9
Gene No.	88946	Strand	-
Start	16838	End	17358
Name	OJ000203_03.0321.C9.o5.ts	Method	TBLASTX:Soybean
Start	6644	End	6907
GI	none	Score	219
Exons	6644..6907, 6719..6895		

Seq. No.	42640	Seq. ID	OJ000203_03.0321.C9
Gene No.	88946	Strand	-
Start	16838	End	17358
Name	OJ000203_03.0321.C9.o4.tc	Method	TBLASTX:Cress
Start	8008	End	8707
GI	none	Score	206
Exons	8008..8175, 8009..8170, 8080..8172, 8507..8707		

Seq. No.	42640	Seq. ID	OJ000203_03.0321.C9
Gene No.	88946	Strand	-
Start	16838	End	17358
Name	OJ000203_03.0321.C9.o4.ts	Method	TBLASTX:Soybean
Start	8530	End	8770
GI	none	Score	222
Exons	8530..8763, 8531..8770		

Seq. No.	42640	Seq. ID	OJ000203_03.0321.C9
Gene No.	88946	Strand	-
Start	16838	End	17358
Name	OJ000203_03.0321.C9.o1.tc	Method	TBLASTX:Cress
Start	9922	End	10691
GI	none	Score	92
Exons	9922..10032, 9964..10032, 10137..10691, 10149..10448, 10190..10561		

Seq. No.	42640	Seq. ID	OJ000203_03.0321.C9
Gene No.	88946	Strand	-
Start	16838	End	17358
Name	OJ000203_03.0321.C9.o1.ts	Method	TBLASTX:Soybean
Start	9945	End	10694
GI	none	Score	96
Exons	9945..10031, 9946..10032, 10137..10694, 10179..10448, 10190..10561, 10652..10693		

Seq. No.	42640	Seq. ID	OJ000203_03.0321.C9
Gene No.	88946	Strand	-
Start	16838	End	17358
Name	OJ000203_03.0321.C9.o1.tm	Method	TBLASTX:Maize
Start	9964	End	10717

GI	none	Score	115
Exons	9964..10032, 9966..10031, 9967..10032, 10137..10691, 10137..10448, 10190..10561, 10545..10643, 10652..10717		

Seq. No.	42640	Seq. ID	OJ000203_03.0321.C9
Gene No.	88946	Strand	-
Start	16838	End	17358
Name	OJ000203_03.0321.C9.o1.tw	Method	TBLASTX:Wheat
Start	10146	End	10652
GI	none	Score	91
Exons	10146..10286, 10206..10385, 10211..10342, 10493..10537, 10494..10538, 10560..10640, 10563..10652		

Seq. No.	42640	Seq. ID	OJ000203_03.0321.C9
Gene No.	88946	Strand	-
Start	16838	End	17358
Name	OJ000203_03.0321.C9.o2.ts	Method	TBLASTX:Soybean
Start	11997	End	12788
GI	none	Score	99
Exons	11997..12140, 12003..12146, 12013..12147, 12147..12278, 12148..12213, 12204..12386, 12313..12387, 12444..12638, 12448..12633, 12738..12788		

Seq. No.	42640	Seq. ID	OJ000203_03.0321.C9
Gene No.	88946	Strand	-
Start	16838	End	17358
Name	OJ000203_03.0321.C9.o3.tm	Method	TBLASTX:Maize
Start	11997	End	12639
GI	none	Score	85
Exons	11997..12140, 12009..12146, 12010..12150, 12147..12278, 12148..12216, 12204..12386, 12307..12375, 12444..12638, 12448..12639		

Seq. No.	42640	Seq. ID	OJ000203_03.0321.C9
Gene No.	88946	Strand	-
Start	16838	End	17358
Name	OJ000203_03.0321.C9.o2.tc	Method	TBLASTX:Cress
Start	12003	End	12788
GI	none	Score	100
Exons	12003..12146, 12004..12147, 12147..12275, 12204..12386, 12310..12387, 12444..12638, 12448..12633, 12738..12788		

Seq. No.	42640	Seq. ID	OJ000203_03.0321.C9
Gene No.	88946	Strand	-
Start	16838	End	17358
Name	OJ000203_03.0321.C9.o3.np	Method	AAT/NAP
Start	16832	End	17358
GI	7487209	Score	423
Exons	16832..17358		
GI Descrip.	hypothetical protein T19P19.120 - Arabidopsis thaliana gi\|3080442\|emb\|CAA18759.1\| (AL022605) putative protein [Arabidopsis thaliana] gi\|7270957\|emb\|CAB80636.1\| (AL161595) putative protein [Arabidopsis thaliana]		

Seq. No.	42640	Seq. ID	OJ000203_03.0321.C9
Gene No.	88946	Strand	-
Start	16838	End	17358

Name	OJ000203_03.0321.C9.o6.gs	Method	GENSCAN
Start	16838	End	17311
GI	none	Score	.84
Exons	16838..17311		

Seq. No.	42640	Seq. ID	OJ000203_03.0321.C9
Gene No.	88946	Strand	-
Start	16838	End	17358
Name	OJ000203_03.0321.C9.o2.tm	Method	TBLASTX:Maize
Start	16898	End	17317
GI	none	Score	321
Exons	16898..17317, 16920..17114, 17174..17266, 17199..17306		

Seq. No.	42640	Seq. ID	OJ000203_03.0321.C9
Gene No.	88946	Strand	-
Start	16838	End	17358
Name	OJ000203_03.0321.C9.o3.tc	Method	TBLASTX:Cress
Start	16898	End	17317
GI	none	Score	139
Exons	16898..17317, 16926..17114, 17199..17303		

Seq. No.	42640	Seq. ID	OJ000203_03.0321.C9
Gene No.	88946	Strand	-
Start	16838	End	17358
Name	OJ000203_03.0321.C9.o3.ts	Method	TBLASTX:Soybean
Start	16898	End	17296
GI	none	Score	159
Exons	16898..17296, 16929..17114, 17199..17285		

Seq. No.	42640	Seq. ID	OJ000203_03.0321.C9
Gene No.	88946	Strand	-
Start	16838	End	17358
Name	OJ000203_03.0321.C9.o5.gp	Method	AAT/GAP
Start	17105	End	17358
GI	25519_1.R1084	Score	500
Exons	17105..17358		
GI Descrip.	'3080442/emb\|CAA18759.1\| 1.0e-16 (AL022605) putative protein [Arabidopsis thaliana]'		

Seq. No.	42641	Seq. ID	OJ000203_03.0321.C10
Gene No.	88947	Strand	
Start	671	End	822
Name	OJ000203_03.0321.C10.o1.tm	Method	TBLASTX:Maize
Start	671	End	822
GI	none	Score	221
Exons	671..700, 672..821, 708..821, 709..822		

Seq. No.	42642	Seq. ID	OJ000203_03.0321.C11
Gene No.	88948	Strand	+
Start	949	End	1555
Name	OJ000203_03.0321.C11.o1.gp	Method	AAT/GAP
Start	949	End	1555
GI	none	Score	1177
Exons	949..1555		

Seq. No.	42642	Seq. ID	OJ000203_03.0321.C11
Gene No.	88949	Strand	-

Start	1	End	4179
Name	OJ000203_03.0321.C11.o1.np	Method	AAT/NAP
Start	1	End	4060
GI	4958867	Score	396
Exons	1..38, 2589..2947, 4012..4060		
GI Descrip.	(AB027572) RNA polymerase subunit beta [Triticum aestivum]		

Seq. No.	42642	Seq. ID	OJ000203_03.0321.C11
Gene No.	88949	Strand	-
Start	1	End	4179
Name	OJ000203_03.0321.C11.o2.tm	Method	TBLASTX:Maize
Start	2589	End	2866
GI	none	Score	315
Exons	2589..2864, 2590..2865, 2599..2865, 2600..2866		

Seq. No.	42642	Seq. ID	OJ000203_03.0321.C11
Gene No.	88949	Strand	-
Start	1	End	4179
Name	OJ000203_03.0321.C11.o2.tc	Method	TBLASTX:Cress
Start	2675	End	2960
GI	none	Score	104
Exons	2675..2782, 2675..2782, 2685..2792, 2686..2793, 2794..2904, 2795..2908, 2901..2960, 2901..2960		

Seq. No.	42642	Seq. ID	OJ000203_03.0321.C11
Gene No.	88949	Strand	-
Start	1	End	4179
Name	OJ000203_03.0321.C11.o2.np	Method	AAT/NAP
Start	3485	End	4176
GI	7487209	Score	397
Exons	3485..3979, 4126..4176		
GI Descrip.	hypothetical protein T19P19.120 - Arabidopsis thaliana gi\|3080442\|emb\|CAA18759.1\| (AL022605) putative protein [Arabidopsis thaliana] gi\|7270957\|emb\|CAB80636.1\| (AL161595) putative protein [Arabidopsis thaliana]		

Seq. No.	42642	Seq. ID	OJ000203_03.0321.C11
Gene No.	88949	Strand	-
Start	1	End	4179
Name	OJ000203_03.0321.C11.o2.gs	Method	GENSCAN
Start	3521	End	4179
GI	none	Score	1
Exons	3521..4033, 4120..4179		

Seq. No.	42642	Seq. ID	OJ000203_03.0321.C11
Gene No.	88949	Strand	-
Start	1	End	4179
Name	OJ000203_03.0321.C11.o1.tm	Method	TBLASTX:Maize
Start	3545	End	3955
GI	none	Score	83
Exons	3545..3955, 3575..3658, 3609..3782, 3812..3919, 3906..3953		

Seq. No.	42642	Seq. ID	OJ000203_03.0321.C11
Gene No.	88949	Strand	-
Start	1	End	4179
Name	OJ000203_03.0321.C11.o1.tc	Method	TBLASTX:Cress
Start	3549	End	3958

GI	none	Score	143
Exons	3549..3782, 3557..3958, 3906..3950		

Seq. No.	42642	Seq. ID	OJ000203_03.0321.C11
Gene No.	88949	Strand	-
Start	1	End	4179
Name	OJ000203_03.0321.C11.o1.ts	Method	TBLASTX:Soybean
Start	3557	End	3949
GI	none	Score	76
Exons	3557..3949, 3578..3670, 3609..3782		

Seq. No.	42643	Seq. ID	OJ000203_03.0321.C12
Gene No.	88950	Strand	+
Start	1130	End	1215
Name	OJ000203_03.0321.C12.o1.gp	Method	AAT/GAP
Start	1130	End	1215
GI	90742_1.R1084	Score	103
Exons	1130..1215		
GI Descrip.	'5734616/dbj\|AP000391.1\|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	42643	Seq. ID	OJ000203_03.0321.C12
Gene No.	88951	Strand	-
Start	346	End	981
Name	OJ000203_03.0321.C12.o1.np	Method	AAT/NAP
Start	323	End	896
GI	7487209	Score	397
Exons	323..780, 814..896		
GI Descrip.	hypothetical protein T19P19.120 - Arabidopsis thaliana gi\|3080442\|emb\|CAA18759.1\| (AL022605) putative protein [Arabidopsis thaliana] gi\|7270957\|emb\|CAB80636.1\| (AL161595) putative protein [Arabidopsis thaliana]		

Seq. No.	42643	Seq. ID	OJ000203_03.0321.C12
Gene No.	88951	Strand	-
Start	346	End	981
Name	OJ000203_03.0321.C12.o1.gs	Method	GENSCAN
Start	346	End	981
GI	none	Score	1
Exons	346..849, 931..981		

Seq. No.	42643	Seq. ID	OJ000203_03.0321.C12
Gene No.	88951	Strand	-
Start	346	End	981
Name	OJ000203_03.0321.C12.o1.tc	Method	TBLASTX:Cress
Start	391	End	783
GI	none	Score	230
Exons	391..780, 392..778, 592..783		

Seq. No.	42643	Seq. ID	OJ000203_03.0321.C12
Gene No.	88951	Strand	-
Start	346	End	981
Name	OJ000203_03.0321.C12.o1.ts	Method	TBLASTX:Soybean
Start	391	End	783
GI	none	Score	248
Exons	391..780, 392..778, 565..783, 566..781		

Seq. No.	42643	Seq. ID	OJ000203_03.0321.C12
Gene No.	88951	Strand	-
Start	346	End	981
Name	OJ000203_03.0321.C12.o1.tm	Method	TBLASTX:Maize
Start	391	End	832
GI	none	Score	285
Exons	391..798, 409..783, 422..787,	668..832	

Seq. No.	42643	Seq. ID	OJ000203_03.0321.C12
Gene No.	88951	Strand	-
Start	346	End	981
Name	OJ000203_03.0321.C12.o1.tw	Method	TBLASTX:Wheat
Start	583	End	789
GI	none	Score	84
Exons	583..639, 584..640, 686..781,	697..789,	698..781

Seq. No.	42644	Seq. ID	OJ000250_91.0405.C1
Gene No.	88952	Strand	+
Start	454	End	1654
Name	OJ000250_91.0405.C1.o1.gs	Method	GENSCAN
Start	454	End	1654
GI	none	Score	.59
Exons	454..464, 1563..1654		

Seq. No.	42644	Seq. ID	OJ000250_91.0405.C1
Gene No.	88953	Strand	-
Start	501	End	1117
Name	OJ000250_91.0405.C1.o1.gp	Method	AAT/GAP
Start	501	End	1117
GI	18501_1.R1084	Score	1165
Exons	501..1117		
GI Descrip.	'5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	42644	Seq. ID	OJ000250_91.0405.C1
Gene No.	88954	Strand	-
Start	1326	End	1769
Name	OJ000250_91.0405.C1.o2.gp	Method	AAT/GAP
Start	1326	End	1769
GI	3762604	Score	802
Exons	1326..1769		

Seq. No.	42645	Seq. ID	OJ000250_91.0405.C2
Gene No.	88955	Strand	-
Start	1	End	290
Name	OJ000250_91.0405.C2.o1.gp	Method	AAT/GAP
Start	1	End	290
GI	2431369	Score	569
Exons	1..290		

Seq. No.	42645	Seq. ID	OJ000250_91.0405.C2
Gene No.	88955	Strand	-
Start	1	End	290
Name	OJ000250_91.0405.C2.o1.gs	Method	GENSCAN
Start	7	End	215
GI	none	Score	.84

Exons	7..215		
Seq. No.	42646	Seq. ID	OJ000250_91.0405.C3
Gene No.	88956	Strand	+
Start	347	End	574
Name	OJ000250_91.0405.C3.o1.gs	Method	GENSCAN
Start	347	End	574
GI	none	Score	.45
Exons	347..574		
Seq. No.	42646	Seq. ID	OJ000250_91.0405.C3
Gene No.	88957	Strand	-
Start	1525	End	1841
Name	OJ000250_91.0405.C3.o1.gp	Method	AAT/GAP
Start	1295	End	1647
GI	3762250	Score	662
Exons	1295..1647		
Seq. No.	42646	Seq. ID	OJ000250_91.0405.C3
Gene No.	88957	Strand	-
Start	1525	End	1841
Name	OJ000250_91.0405.C3.o2.gs	Method	GENSCAN
Start	1525	End	1791
GI	none	Score	.77
Exons	1525..1791		
Seq. No.	42646	Seq. ID	OJ000250_91.0405.C3
Gene No.	88957	Strand	-
Start	1525	End	1841
Name	OJ000250_91.0405.C3.o1.np	Method	AAT/NAP
Start	1558	End	1841
GI	7021733	Score	166
Exons	1558..1783, 1818..1841		
GI Descrip.	(AC024081) unknown protein [Arabidopsis thaliana]		
Seq. No.	42647	Seq. ID	OJ000250_91.0405.C4
Gene No.	88958	Strand	+
Start	77	End	484
Name	OJ000250_91.0405.C4.o1.gs	Method	GENSCAN
Start	77	End	484
GI	none	Score	.81
Exons	77..484		
Seq. No.	42647	Seq. ID	OJ000250_91.0405.C4
Gene No.	88959	Strand	-
Start	1	End	445
Name	OJ000250_91.0405.C4.o1.np	Method	AAT/NAP
Start	1	End	445
GI	6862951	Score	202
Exons	1..273, 356..445		
GI Descrip.	(AC019018) unknown protein [Arabidopsis thaliana]		
Seq. No.	42647	Seq. ID	OJ000250_91.0405.C4
Gene No.	88960	Strand	-
Start	1917	End	3567
Name	OJ000250_91.0405.C4.o1.tc	Method	TBLASTX:Cress
Start	61	End	3315

GI	none	Score	84
Exons	61..237, 3145..3315, 3146..3313		
Seq. No.	42647	Seq. ID	OJ000250_91.0405.C4
Gene No.	88960	Strand	-
Start	1917	End	3567
Name	OJ000250_91.0405.C4.o1.ts	Method	TBLASTX:Soybean
Start	61	End	3351
GI	none	Score	120
Exons	61..147, 3131..3313, 3145..3351		
Seq. No.	42647	Seq. ID	OJ000250_91.0405.C4
Gene No.	88960	Strand	-
Start	1917	End	3567
Name	OJ000250_91.0405.C4.o2.np	Method	AAT/NAP
Start	1917	End	3567
GI	7021733	Score	198
Exons	1917..2034, 3131..3317, 3444..3567		
GI Descrip.	(AC024081) unknown protein [Arabidopsis thaliana]		
Seq. No.	42648	Seq. ID	OJ000250_91.0405.C5
Gene No.	88961	Strand	-
Start	622	End	1476
Name	OJ000250_91.0405.C5.o1.gp	Method	AAT/GAP
Start	344	End	797
GI	LIB3431-045-P1-N1-A10	Score	872
Exons	344..797		
GI Descrip.	'5441876/dbj\|AP000367.1\|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		
Seq. No.	42648	Seq. ID	OJ000250_91.0405.C5
Gene No.	88961	Strand	-
Start	622	End	1476
Name	OJ000250_91.0405.C5.o1.np	Method	AAT/NAP
Start	598	End	782
GI	7228442	Score	233
Exons	598..782		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		
Seq. No.	42648	Seq. ID	OJ000250_91.0405.C5
Gene No.	88961	Strand	-
Start	622	End	1476
Name	OJ000250_91.0405.C5.o1.gs	Method	GENSCAN
Start	622	End	1382
GI	none	Score	.78
Exons	622..782, 933..1135, 1140..1187, 1251..1382		
Seq. No.	42648	Seq. ID	OJ000250_91.0405.C5
Gene No.	88961	Strand	-
Start	622	End	1476
Name	OJ000250_91.0405.C5.o2.np	Method	AAT/NAP
Start	901	End	1476
GI	5441880	Score	582
Exons	901..1135, 1251..1476		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the		

predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No.	42649	Seq. ID	OJ000250_91.0405.C8
Gene No.	88962	Strand	-
Start	2	End	1814
Name	OJ000250_91.0405.C8.o1.gs	Method	GENSCAN
Start	2	End	1667
GI	none	Score	.95
Exons	2..583, 1626..1667		

Seq. No.	42649	Seq. ID	OJ000250_91.0405.C8
Gene No.	88962	Strand	-
Start	2	End	1814
Name	OJ000250_91.0405.C8.o1.ts	Method	TBLASTX:Soybean
Start	155	End	494
GI	none	Score	40
Exons	155..178, 156..179, 209..472, 276..494		

Seq. No.	42649	Seq. ID	OJ000250_91.0405.C8
Gene No.	88962	Strand	-
Start	2	End	1814
Name	OJ000250_91.0405.C8.o1.gp	Method	AAT/GAP
Start	174	End	494
GI	uC-osflm202109f10b1	Score	622
Exons	174..494		
GI Descrip.	'3335378 7.0e-26 (AC003028) Myb-related transcription activator [Arabidopsis thaliana]'		

Seq. No.	42649	Seq. ID	OJ000250_91.0405.C8
Gene No.	88962	Strand	-
Start	2	End	1814
Name	OJ000250_91.0405.C8.o1.tm	Method	TBLASTX:Maize
Start	174	End	494
GI	none	Score	40
Exons	174..200, 174..200, 200..490, 200..472, 201..494, 276..494		

Seq. No.	42649	Seq. ID	OJ000250_91.0405.C8
Gene No.	88962	Strand	-
Start	2	End	1814
Name	OJ000250_91.0405.C8.o1.np	Method	AAT/NAP
Start	239	End	1814
GI	6688529	Score	222
Exons	239..494, 1709..1814		
GI Descrip.	(AJ243339) I-box binding factor [Lycopersicon esculentum]		

Seq. No.	42649	Seq. ID	OJ000250_91.0405.C8
Gene No.	88962	Strand	-
Start	2	End	1814
Name	OJ000250_91.0405.C8.o1.tw	Method	TBLASTX:Wheat
Start	248	End	494
GI	none	Score	88
Exons	248..469, 303..494, 369..494		

Seq. No.	42649	Seq. ID	OJ000250_91.0405.C8
Gene No.	88962	Strand	-
Start	2	End	1814

Name	OJ000250_91.0405.C8.o1.tc	Method	TBLASTX:Cress
Start	308	End	512
GI	none	Score	202
Exons	308..472, 309..512		

Seq. No.	42650	Seq. ID	OJ000250_91.0405.C9
Gene No.	88963	Strand	+
Start	1093	End	1659
Name	OJ000250_91.0405.C9.o1.gs	Method	GENSCAN
Start	1093	End	1659
GI	none	Score	.76
Exons	1093..1098, 1504..1659		

Seq. No.	42650	Seq. ID	OJ000250_91.0405.C9
Gene No.	88964	Strand	-
Start	13	End	224
Name	OJ000250_91.0405.C9.o1.gp	Method	AAT/GAP
Start	13	End	224
GI	none	Score	405
Exons	13..224		

Seq. No.	42650	Seq. ID	OJ000250_91.0405.C9
Gene No.	88965	Strand	-
Start	234	End	1334
Name	OJ000250_91.0405.C9.o1.np	Method	AAT/NAP
Start	234	End	1334
GI	7488841	Score	43
Exons	234..403, 1189..1334		
GI Descrip.	ribonuclease S5 homolog - garden pea gi\|1903264\|emb\|CAA72510.1\| (Y11824) hypothetical protein [Pisum sativum]		

Seq. No.	42651	Seq. ID	OJ000250_91.0405.C10
Gene No.	88966	Strand	-
Start	2317	End	3691
Name	OJ000250_91.0405.C10.o1.gs	Method	GENSCAN
Start	2317	End	3691
GI	none	Score	.77
Exons	2317..3090, 3171..3503, 3626..3691		

Seq. No.	42651	Seq. ID	OJ000250_91.0405.C10
Gene No.	88966	Strand	-
Start	2317	End	3691
Name	OJ000250_91.0405.C10.o1.gp	Method	AAT/GAP
Start	2455	End	2972
GI	none	Score	983
Exons	2455..2972		

Seq. No.	42651	Seq. ID	OJ000250_91.0405.C10
Gene No.	88966	Strand	-
Start	2317	End	3691
Name	OJ000250_91.0405.C10.o1.tm	Method	TBLASTX:Maize
Start	2656	End	2935
GI	none	Score	172
Exons	2656..2862, 2669..2857, 2890..2928, 2891..2935		

Seq. No.	42652	Seq. ID	OJ000250_91.0405.C11
Gene No.	88967	Strand	+

Start	2015	End	2479
Name	OJ000250_91.0405.C11.o1.gp	Method	AAT/GAP
Start	2015	End	2479
GI	none	Score	822
Exons	2015..2479		

Seq. No.	42652	Seq. ID	OJ000250_91.0405.C11
Gene No.	88968	Strand	+
Start	4869	End	7870
Name	OJ000250_91.0405.C11.o2.np	Method	AAT/NAP
Start	4829	End	5697
GI	7489436	Score	77
Exons	4829..4952, 5427..5697		
GI Descrip.	pZE40 protein - barley (fragment) gi\|296594\|emb\|CAA48592.1\| (X68600) pZE40 [Hordeum vulgare]		

Seq. No.	42652	Seq. ID	OJ000250_91.0405.C11
Gene No.	88968	Strand	+
Start	4869	End	7870
Name	OJ000250_91.0405.C11.o2.gs	Method	GENSCAN
Start	4869	End	7870
GI	none	Score	.85
Exons	4869..5159, 5723..5753, 6433..6533, 6764..7870		

Seq. No.	42652	Seq. ID	OJ000250_91.0405.C11
Gene No.	88969	Strand	-
Start	293	End	465
Name	OJ000250_91.0405.C11.o1.np	Method	AAT/NAP
Start	293	End	465
GI	5777617	Score	77
Exons	293..465		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	42652	Seq. ID	OJ000250_91.0405.C11
Gene No.	88970	Strand	
Start	7220	End	7507
Name	OJ000250_91.0405.C11.o1.tm	Method	TBLASTX:Maize
Start	7220	End	7507
GI	none	Score	277
Exons	7220..7507, 7261..7491, 7304..7507		

Seq. No.	42653	Seq. ID	OJ000250_91.0405.C12
Gene No.	88971	Strand	+
Start	930	End	1511
Name	OJ000250_91.0405.C12.o1.gs	Method	GENSCAN
Start	930	End	1511
GI	none	Score	.85
Exons	930..1046, 1325..1511		

Seq. No.	42653	Seq. ID	OJ000250_91.0405.C12
Gene No.	88972	Strand	-
Start	2229	End	2605
Name	OJ000250_91.0405.C12.o2.gs	Method	GENSCAN
Start	2229	End	2605
GI	none	Score	.69
Exons	2229..2429, 2444..2605		

Seq. No.	42654	Seq. ID	OJ000250_91.0405.C13
Gene No.	88973	Strand	+
Start	572	End	3941
Name	OJ000250_91.0405.C13.o1.np	Method	AAT/NAP
Start	572	End	3941
GI	7488282	Score	102
Exons	572..772, 2485..2540, 2686..2751, 2851..2919, 3417..3452, 3886..3941		
GI Descrip.	protein-arginine N-methyltransferase (EC 2.1.1.23) - Arabidopsis thaliana gi\|5123545\|emb\|CAB45311.1\| (AL079344) arginine methyltransferase (pam1) [Arabidopsis thaliana] gi\|7269850\|emb\|CAB79709.1\| (AL161575) arginine methyltransferase (pam1) [Arabidopsis thaliana]		

Seq. No.	42654	Seq. ID	OJ000250_91.0405.C13
Gene No.	88973	Strand	+
Start	572	End	3941
Name	OJ000250_91.0405.C13.o1.gp	Method	AAT/GAP
Start	2248	End	2954
GI	59478_1.R1084	Score	775
Exons	2248..2540, 2686..2751, 2851..2954		
GI Descrip.	'3088573 2.0e-16 (AF059530) protein arginine N-methyltransferase 3 [Rattus norvegicus]'		

Seq. No.	42655	Seq. ID	OJ000250_91.0405.C14
Gene No.	88974	Strand	+
Start	256	End	1684
Name	OJ000250_91.0405.C14.o3.tm	Method	TBLASTX:Maize
Start	99	End	588
GI	none	Score	83
Exons	99..167, 100..168, 131..169, 276..362, 276..356, 278..358, 514..588		

Seq. No.	42655	Seq. ID	OJ000250_91.0405.C14
Gene No.	88974	Strand	+
Start	256	End	1684
Name	OJ000250_91.0405.C14.o1.gs	Method	GENSCAN
Start	256	End	1684
GI	none	Score	.63
Exons	256..356, 559..637, 751..940, 1255..1456, 1566..1684		

Seq. No.	42655	Seq. ID	OJ000250_91.0405.C14
Gene No.	88974	Strand	+
Start	256	End	1684
Name	OJ000250_91.0405.C14.o2.tm	Method	TBLASTX:Maize
Start	589	End	1027
GI	none	Score	59
Exons	589..633, 746..859, 762..863, 762..857, 935..1024, 937..1023, 938..1027		

Seq. No.	42656	Seq. ID	OJ000250_91.0405.C15
Gene No.	88975	Strand	-
Start	1104	End	1354
Name	OJ000250_91.0405.C15.o1.tm	Method	TBLASTX:Maize
Start	447	End	1353
GI	none	Score	111
Exons	447..527, 1104..1229, 1105..1227, 1236..1352, 1237..1353		

Seq. No.	42656	Seq. ID	OJ000250_91.0405.C15
Gene No.	88975	Strand	-
Start	1104	End	1354
Name	OJ000250_91.0405.C15.o1.tc	Method	TBLASTX:Cress
Start	1093	End	1353
GI	none	Score	108
Exons	1093..1227, 1101..1229, 1240..1353, 1242..1352		

Seq. No.	42656	Seq. ID	OJ000250_91.0405.C15
Gene No.	88975	Strand	-
Start	1104	End	1354
Name	OJ000250_91.0405.C15.o1.gs	Method	GENSCAN
Start	1104	End	1286
GI	none	Score	1
Exons	1104..1286		

Seq. No.	42656	Seq. ID	OJ000250_91.0405.C15
Gene No.	88975	Strand	-
Start	1104	End	1354
Name	OJ000250_91.0405.C15.o1.np	Method	AAT/NAP
Start	1107	End	1354
GI	3641868	Score	228
Exons	1107..1354		
GI Descrip.	(AJ011012) hypothetical protein [Cicer arietinum]		

Seq. No.	42657	Seq. ID	OJ000250_91.0405.C16
Gene No.	88976	Strand	-
Start	14	End	322
Name	OJ000250_91.0405.C16.o1.gs	Method	GENSCAN
Start	14	End	322
GI	none	Score	.94
Exons	14..322		

Seq. No.	42658	Seq. ID	OJ000250_91.0405.C24
Gene No.	88977	Strand	-
Start	753	End	2750
Name	OJ000250_91.0405.C24.o1.gs	Method	GENSCAN
Start	753	End	2750
GI	none	Score	.78
Exons	753..998, 1025..1372, 1384..2126, 2516..2750		

Seq. No.	42658	Seq. ID	OJ000250_91.0405.C24
Gene No.	88977	Strand	-
Start	753	End	2750
Name	OJ000250_91.0405.C24.o1.np	Method	AAT/NAP
Start	756	End	2750
GI	4454470	Score	1388
Exons	756..2183, 2514..2750		
GI Descrip.	(AC006234) putative sugar transporter [Arabidopsis thaliana]		

Seq. No.	42658	Seq. ID	OJ000250_91.0405.C24
Gene No.	88977	Strand	-
Start	753	End	2750
Name	OJ000250_91.0405.C24.o2.tc	Method	TBLASTX:Cress
Start	817	End	1136
GI	none	Score	47

Exons	817..873, 819..872, 859..930, 962..1129, 963..1136		
Seq. No.	42658	Seq. ID	OJ000250_91.0405.C24
Gene No.	88977	Strand	-
Start	753	End	2750
Name	OJ000250_91.0405.C24.o1.tm	Method	TBLASTX:Maize
Start	959	End	2127
GI	none	Score	80
Exons	959..1111, 962..1165, 987..1166, 1211..1285, 1212..1286, 1294..1419, 1300..1467, 1492..2127, 1573..1638, 1607..1846, 1916..2125		
Seq. No.	42658	Seq. ID	OJ000250_91.0405.C24
Gene No.	88977	Strand	-
Start	753	End	2750
Name	OJ000250_91.0405.C24.o1.ts	Method	TBLASTX:Soybean
Start	960	End	2570
GI	none	Score	108
Exons	960..1130, 962..1300, 1295..1477, 1303..1470, 1483..2127, 1607..1846, 1979..2128, 2081..2128, 2517..2570		
Seq. No.	42658	Seq. ID	OJ000250_91.0405.C24
Gene No.	88977	Strand	-
Start	753	End	2750
Name	OJ000250_91.0405.C24.o1.tc	Method	TBLASTX:Cress
Start	1324	End	1743
GI	none	Score	76
Exons	1324..1473, 1325..1465, 1468..1497, 1504..1743, 1607..1723		
Seq. No.	42658	Seq. ID	OJ000250_91.0405.C24
Gene No.	88977	Strand	-
Start	753	End	2750
Name	OJ000250_91.0405.C24.o1.tw	Method	TBLASTX:Wheat
Start	1483	End	1753
GI	none	Score	53
Exons	1483..1752, 1489..1638, 1607..1753		
Seq. No.	42658	Seq. ID	OJ000250_91.0405.C24
Gene No.	88977	Strand	-
Start	753	End	2750
Name	OJ000250_91.0405.C24.o3.tc	Method	TBLASTX:Cress
Start	1876	End	2128
GI	none	Score	113
Exons	1876..2127, 1979..2128		
Seq. No.	42659	Seq. ID	OJ000250_91.0405.C25
Gene No.	88978	Strand	-
Start	616	End	3129
Name	OJ000250_91.0405.C25.o1.gs	Method	GENSCAN
Start	616	End	3123
GI	none	Score	.86
Exons	616..697, 1003..2257, 2892..3123		
Seq. No.	42659	Seq. ID	OJ000250_91.0405.C25
Gene No.	88978	Strand	-
Start	616	End	3129
Name	OJ000250_91.0405.C25.o1.np	Method	AAT/NAP

Start	865	End	3129
GI	4454470	Score	1545
Exons	865..2266, 2837..3129		
GI Descrip.	(AC006234) putative sugar transporter [Arabidopsis thaliana]		

Seq. No.	42659	Seq. ID	OJ000250_91.0405.C25
Gene No.	88978	Strand	-
Start	616	End	3129
Name	OJ000250_91.0405.C25.o1.ts	Method	TBLASTX:Soybean
Start	969	End	2946
GI	none	Score	135
Exons	969..1586, 973..1260, 1324..1626, 1686..2270, 1744..2259, 2893..2946		

Seq. No.	42659	Seq. ID	OJ000250_91.0405.C25
Gene No.	88978	Strand	-
Start	616	End	3129
Name	OJ000250_91.0405.C25.o1.tm	Method	TBLASTX:Maize
Start	1050	End	2946
GI	none	Score	107
Exons	1050..1286, 1054..1287, 1318..1581, 1335..1589, 1692..2258, 1704..1844, 1744..2256, 2893..2946		

Seq. No.	42659	Seq. ID	OJ000250_91.0405.C25
Gene No.	88978	Strand	-
Start	616	End	3129
Name	OJ000250_91.0405.C25.o1.tc	Method	TBLASTX:Cress
Start	1080	End	2159
GI	none	Score	254
Exons	1080..1250, 1335..1448, 1434..1580, 1701..2159		

Seq. No.	42659	Seq. ID	OJ000250_91.0405.C25
Gene No.	88978	Strand	-
Start	616	End	3129
Name	OJ000250_91.0405.C25.o1.tw	Method	TBLASTX:Wheat
Start	1686	End	1884
GI	none	Score	82
Exons	1686..1883, 1695..1850, 1744..1884		

Seq. No.	42660	Seq. ID	OJ000250_91.0405.C26
Gene No.	88979	Strand	-
Start	44	End	3797
Name	OJ000250_91.0405.C26.o1.np	Method	AAT/NAP
Start	44	End	3045
GI	5306264	Score	146
Exons	44..90, 965..1052, 1974..2091, 2740..2811, 2971..3045		
GI Descrip.	(AC006233) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42660	Seq. ID	OJ000250_91.0405.C26
Gene No.	88979	Strand	-
Start	44	End	3797
Name	OJ000250_91.0405.C26.o1.gs	Method	GENSCAN
Start	256	End	3797
GI	none	Score	.52
Exons	256..446, 1978..2045, 2559..2647, 2747..2811, 2943..2970, 3330..3453, 3547..3797		

Seq. No.	42660	Seq. ID	OJ000250_91.0405.C26
Gene No.	88979	Strand	-
Start	44	End	3797
Name	OJ000250_91.0405.C26.o1.gp	Method	AAT/GAP
Start	267	End	3600
GI	13076_1.R1084	Score	1819
Exons	267..530, 895..1052, 1392..1440, 1978..2045, 2432..2512, 2603..2647, 2747..2811, 2971..3041, 3403..3600		
GI Descrip.	'4758922/ref\|NP_004269.1\|pPIGL\| 2.0e-28 phosphatidylinositol glycan, class L >gi_4239986_dbj_BAA74775.1_ (AB017165) PIG-L [Homo sapiens]'		

Seq. No.	42660	Seq. ID	OJ000250_91.0405.C26
Gene No.	88980	Strand	-
Start	4296	End	6229
Name	OJ000250_91.0405.C26.o2.tm	Method	TBLASTX:Maize
Start	2756	End	3596
GI	none	Score	63
Exons	2756..2812, 2757..2813, 2968..3042, 2969..3040, 2970..3044, 2970..3047, 3399..3596, 3402..3464, 3403..3591		

Seq. No.	42660	Seq. ID	OJ000250_91.0405.C26
Gene No.	88980	Strand	-
Start	4296	End	6229
Name	OJ000250_91.0405.C26.o2.gp	Method	AAT/GAP
Start	4147	End	5668
GI	1444_1.R1084	Score	2665
Exons	4147..5402, 5524..5668		
GI Descrip.	'629829/pir\|\|S39394 1.0e-146 protochlorophyllide reductase (EC 1.3.1.33) - wheat >gi_510677_emb_CAA54042_ (X76532) protochlorophyilide reductase [Triticum aestivum]'		

Seq. No.	42660	Seq. ID	OJ000250_91.0405.C26
Gene No.	88980	Strand	-
Start	4296	End	6229
Name	OJ000250_91.0405.C26.o1.ts	Method	TBLASTX:Soybean
Start	4293	End	5274
GI	none	Score	201
Exons	4293..4694, 4294..4500, 4542..4694, 4558..4695, 4698..4727, 4776..5264, 4777..5166, 5227..5274		

Seq. No.	42660	Seq. ID	OJ000250_91.0405.C26
Gene No.	88980	Strand	-
Start	4296	End	6229
Name	OJ000250_91.0405.C26.o1.tm	Method	TBLASTX:Maize
Start	4294	End	5400
GI	none	Score	301
Exons	4294..4440, 4296..5354, 4297..4503, 4542..4721, 4561..4728, 4777..5166, 5227..5265, 5350..5400		

Seq. No.	42660	Seq. ID	OJ000250_91.0405.C26
Gene No.	88980	Strand	-
Start	4296	End	6229
Name	OJ000250_91.0405.C26.o1.tc	Method	TBLASTX:Cress
Start	4296	End	5264
GI	none	Score	207
Exons	4296..4694, 4303..4500, 4542..4688, 4558..4695, 4698..5264,		

4780..5166

Seq. No.	42660	Seq. ID	OJ000250_91.0405.C26
Gene No.	88980	Strand	-
Start	4296	End	6229
Name	OJ000250_91.0405.C26.o2.gs	Method	GENSCAN
Start	4296	End	6229
GI	none	Score	.57
Exons	4296..5454, 5745..6229		

Seq. No.	42660	Seq. ID	OJ000250_91.0405.C26
Gene No.	88980	Strand	-
Start	4296	End	6229
Name	OJ000250_91.0405.C26.o2.np	Method	AAT/NAP
Start	4299	End	5568
GI	629829	Score	1593
Exons	4299..5411, 5524..5568		
GI Descrip.	protochlorophyllide reductase (EC 1.3.1.33) - wheat gi\|510677\|emb\|CAA54042\| (X76532) protochlorophyilide reductase [Triticum aestivum]		

Seq. No.	42661	Seq. ID	OJ000250_91.0405.C27
Gene No.	88981	Strand	+
Start	1756	End	4155
Name	OJ000250_91.0405.C27.o1.np	Method	AAT/NAP
Start	1756	End	4155
GI	5668794	Score	158
Exons	1756..1838, 2613..2821, 4095..4155		
GI Descrip.	(AC007519) Similar to gb\|U82230 prolamin box binding factor (PBF) from Zea mays. [Arabidopsis thaliana]		

Seq. No.	42661	Seq. ID	OJ000250_91.0405.C27
Gene No.	88981	Strand	+
Start	1756	End	4155
Name	OJ000250_91.0405.C27.o1.gs	Method	GENSCAN
Start	2146	End	3089
GI	none	Score	.65
Exons	2146..2255, 2792..3089		

Seq. No.	42661	Seq. ID	OJ000250_91.0405.C27
Gene No.	88982	Strand	-
Start	3825	End	5142
Name	OJ000250_91.0405.C27.o2.gs	Method	GENSCAN
Start	3825	End	5129
GI	none	Score	.57
Exons	3825..4408, 4841..4934, 5047..5129		

Seq. No.	42661	Seq. ID	OJ000250_91.0405.C27
Gene No.	88982	Strand	-
Start	3825	End	5142
Name	OJ000250_91.0405.C27.o2.np	Method	AAT/NAP
Start	3828	End	5140
GI	7021732	Score	464
Exons	3828..4408, 4841..4934, 5047..5140		
GI Descrip.	(AC024081) unknown protein [Arabidopsis thaliana]		

Seq. No.	42662	Seq. ID	OJ000250_91.0405.C28

Gene No.	88983	Strand	-
Start	1	End	1410
Name	OJ000250_91.0405.C28.o1.np	Method	AAT/NAP
Start	1	End	1410
GI	7021732	Score	368
Exons	1..83, 801..956, 987..1037, 1068..1410		
GI Descrip.	(AC024081) unknown protein [Arabidopsis thaliana]		

Seq. No.	42662	Seq. ID	OJ000250_91.0405.C28
Gene No.	88983	Strand	-
Start	1	End	1410
Name	OJ000250_91.0405.C28.o1.gs	Method	GENSCAN
Start	448	End	1279
GI	none	Score	.42
Exons	448..641, 1073..1279		

Seq. No.	42662	Seq. ID	OJ000250_91.0405.C28
Gene No.	88983	Strand	-
Start	1	End	1410
Name	OJ000250_91.0405.C28.o1.tm	Method	TBLASTX:Maize
Start	1017	End	1184
GI	none	Score	176
Exons	1017..1181, 1017..1184		

Seq. No.	42663	Seq. ID	OJ000250_91.0405.C29
Gene No.	88984	Strand	-
Start	973	End	1061
Name	OJ000250_91.0405.C29.o1.np	Method	AAT/NAP
Start	973	End	1061
GI	5852084	Score	89
Exons	973..1061		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	42663	Seq. ID	OJ000250_91.0405.C29
Gene No.	88985	Strand	-
Start	2477	End	2534
Name	OJ000250_91.0405.C29.o2.gs	Method	GENSCAN
Start	2477	End	2534
GI	none	Score	.93
Exons	2477..2534		

Seq. No.	42664	Seq. ID	OJ000250_91.0405.C35
Gene No.	88986	Strand	+
Start	105	End	174
Name	OJ000250_91.0405.C35.o1.gs	Method	GENSCAN
Start	105	End	174
GI	none	Score	.79
Exons	105..174		

Seq. No.	42664	Seq. ID	OJ000250_91.0405.C35
Gene No.	88987	Strand	-
Start	1217	End	1332
Name	OJ000250_91.0405.C35.o2.gs	Method	GENSCAN
Start	1217	End	1332
GI	none	Score	.5
Exons	1217..1332		

Seq. No.	42665	Seq. ID	OJ000250_91.0405.C36
Gene No.	88988	Strand	+
Start	1	End	1180
Name	OJ000250_91.0405.C36.o1.np	Method	AAT/NAP
Start	1	End	1180
GI	7488988	Score	448
Exons	1..676, 737..1180		
GI Descrip.	disease resistance protein Hcr2-5D - tomato gi\|3894393\|gb\|AAC78596.1\| (AF053998) Hcr2-5D [Lycopersicon esculentum]		

Seq. No.	42665	Seq. ID	OJ000250_91.0405.C36
Gene No.	88988	Strand	+
Start	1	End	1180
Name	OJ000250_91.0405.C36.o1.gs	Method	GENSCAN
Start	50	End	1165
GI	none	Score	1
Exons	50..1165		

Seq. No.	42665	Seq. ID	OJ000250_91.0405.C36
Gene No.	88989	Strand	-
Start	1940	End	2710
Name	OJ000250_91.0405.C36.o2.gs	Method	GENSCAN
Start	1940	End	2707
GI	none	Score	1
Exons	1940..2707		

Seq. No.	42665	Seq. ID	OJ000250_91.0405.C36
Gene No.	88989	Strand	-
Start	1940	End	2710
Name	OJ000250_91.0405.C36.o2.np	Method	AAT/NAP
Start	1943	End	2710
GI	6686408	Score	404
Exons	1943..2710		
GI Descrip.	(AC007234) F1E22.7 [Arabidopsis thaliana]		

Seq. No.	42665	Seq. ID	OJ000250_91.0405.C36
Gene No.	88990	Strand	-
Start	3866	End	4067
Name	OJ000250_91.0405.C36.o3.gs	Method	GENSCAN
Start	3866	End	4067
GI	none	Score	.53
Exons	3866..3972, 4001..4067		

Seq. No.	42665	Seq. ID	OJ000250_91.0405.C36
Gene No.	88991	Strand	-
Start	5446	End	8948
Name	OJ000250_91.0405.C36.o1.tc	Method	TBLASTX:Cress
Start	53	End	1132
GI	none	Score	176
Exons	53..304, 80..244, 80..304, 80..304, 80..289, 86..298, 98..301, 107..292, 134..268, 170..289, 184..297, 264..299, 305..445, 305..439, 308..526, 308..448, 311..436, 314..508, 317..517, 740..790, 749..1075, 776..1078, 818..1132, 833..1075, 848..1072		

Seq. No.	42665	Seq. ID	OJ000250_91.0405.C36
Gene No.	88991	Strand	-

Start	5446	End	8948
Name	OJ000250_91.0405.C36.o1.ts	Method	TBLASTX:Soybean
Start	62	End	1159
GI	none	Score	85
Exons	62..223, 308..514, 806..1006, 818..1159, 832..927, 958..1155		

Seq. No.	42665	Seq. ID	OJ000250_91.0405.C36
Gene No.	88991	Strand	-
Start	5446	End	8948
Name	OJ000250_91.0405.C36.o4.tm	Method	TBLASTX:Maize
Start	113	End	1153
GI	none	Score	115
Exons	113..325, 326..436, 788..1153, 832..1140		

Seq. No.	42665	Seq. ID	OJ000250_91.0405.C36
Gene No.	88991	Strand	-
Start	5446	End	8948
Name	OJ000250_91.0405.C36.o4.gs	Method	GENSCAN
Start	5446	End	8863
GI	none	Score	.79
Exons	5446..5741, 6232..6238, 6596..7199, 7284..7464, 8148..8190, 8297..8571, 8725..8863		

Seq. No.	42665	Seq. ID	OJ000250_91.0405.C36
Gene No.	88991	Strand	-
Start	5446	End	8948
Name	OJ000250_91.0405.C36.o1.tm	Method	TBLASTX:Maize
Start	5503	End	6108
GI	none	Score	145
Exons	5503..5571, 5505..5651, 5532..5744, 5537..5746, 5539..5745, 5641..5751, 5679..5753, 5855..6103, 5865..5918, 5865..6107, 5866..6108		

Seq. No.	42665	Seq. ID	OJ000250_91.0405.C36
Gene No.	88991	Strand	-
Start	5446	End	8948
Name	OJ000250_91.0405.C36.o2.ts	Method	TBLASTX:Soybean
Start	6042	End	7337
GI	none	Score	118
Exons	6042..6110, 6222..6350, 6590..6799, 6923..7195, 7032..7196, 7293..7337, 7298..7336		

Seq. No.	42665	Seq. ID	OJ000250_91.0405.C36
Gene No.	88991	Strand	-
Start	5446	End	8948
Name	OJ000250_91.0405.C36.o2.tm	Method	TBLASTX:Maize
Start	6808	End	7069
GI	none	Score	52
Exons	6808..7068, 6809..7069, 6810..6842, 6912..7067		

Seq. No.	42665	Seq. ID	OJ000250_91.0405.C36
Gene No.	88991	Strand	-
Start	5446	End	8948
Name	OJ000250_91.0405.C36.o3.tm	Method	TBLASTX:Maize
Start	7352	End	7994
GI	none	Score	129
Exons	7352..7462, 7353..7463, 7360..7464, 7558..7686, 7559..7687,		

7559..7699, 7854..7994, 7867..7947

Seq. No.	42665	Seq. ID	OJ000250_91.0405.C36
Gene No.	88991	Strand	-
Start	5446	End	8948
Name	OJ000250_91.0405.C36.o1.gp	Method	AAT/GAP
Start	8319	End	8948
GI	2427984	Score	722
Exons	8319..8522, 8708..8948		

Seq. No.	42666	Seq. ID	OJ000250_91.0405.C37
Gene No.	88992	Strand	-
Start	85	End	1091
Name	OJ000250_91.0405.C37.o1.gp	Method	AAT/GAP
Start	85	End	1091
GI	610_1.R1084	Score	1990
Exons	85..1091		
GI Descrip.	'322787/pir\|\|JC1481 1.0e-112 pyruvate kinase (EC 2.7.1.40), cytosolic - potato'		

Seq. No.	42666	Seq. ID	OJ000250_91.0405.C37
Gene No.	88992	Strand	-
Start	85	End	1091
Name	OJ000250_91.0405.C37.o1.tm	Method	TBLASTX:Maize
Start	502	End	1091
GI	none	Score	726
Exons	502..1089, 517..1086, 537..1091		

Seq. No.	42666	Seq. ID	OJ000250_91.0405.C37
Gene No.	88992	Strand	-
Start	85	End	1091
Name	OJ000250_91.0405.C37.o1.ts	Method	TBLASTX:Soybean
Start	534	End	1091
GI	none	Score	610
Exons	534..1091, 541..1089		

Seq. No.	42666	Seq. ID	OJ000250_91.0405.C37
Gene No.	88992	Strand	-
Start	85	End	1091
Name	OJ000250_91.0405.C37.o1.gs	Method	GENSCAN
Start	540	End	1085
GI	none	Score	.89
Exons	540..1085		

Seq. No.	42666	Seq. ID	OJ000250_91.0405.C37
Gene No.	88992	Strand	-
Start	85	End	1091
Name	OJ000250_91.0405.C37.o1.np	Method	AAT/NAP
Start	543	End	1091
GI	7271955	Score	808
Exons	543..1091		
GI Descrip.	(AF242871) cytosolic pyruvate kinase [Lilium longiflorum]		

Seq. No.	42666	Seq. ID	OJ000250_91.0405.C37
Gene No.	88992	Strand	-
Start	85	End	1091
Name	OJ000250_91.0405.C37.o1.tc	Method	TBLASTX:Cress

Start	666	End	1088
GI	none	Score	183
Exons	666..1088, 700..1074		

Seq. No.	42666	Seq. ID	OJ000250_91.0405.C37
Gene No.	88992	Strand	-
Start	85	End	1091
Name	OJ000250_91.0405.C37.o1.tw	Method	TBLASTX:Wheat
Start	666	End	951
GI	none	Score	133
Exons	666..950, 700..951		

Seq. No.	42667	Seq. ID	OJ000250_91.0405.C38
Gene No.	88993	Strand	-
Start	172	End	2629
Name	OJ000250_91.0405.C38.o1.gp	Method	AAT/GAP
Start	172	End	2004
GI	403_1.R1084	Score	1832
Exons	172..648, 1522..2004		
GI Descrip.	'2497538/sp\|Q42806\|KPYC_SOYBN 1.0e-157 PYRUVATE KINASE, CYTOSOLIC ISOZYME >gi_466350 (L08632) pyruvate kinase [Glycine max]'		

Seq. No.	42667	Seq. ID	OJ000250_91.0405.C38
Gene No.	88993	Strand	-
Start	172	End	2629
Name	OJ000250_91.0405.C38.o1.tm	Method	TBLASTX:Maize
Start	176	End	1764
GI	none	Score	316
Exons	176..544, 177..650, 178..651, 605..649, 1520..1567, 1522..1764, 1523..1750		

Seq. No.	42667	Seq. ID	OJ000250_91.0405.C38
Gene No.	88993	Strand	-
Start	172	End	2629
Name	OJ000250_91.0405.C38.o1.ts	Method	TBLASTX:Soybean
Start	176	End	1782
GI	none	Score	368
Exons	176..541, 177..650, 178..651, 605..649, 1522..1782, 1523..1735		

Seq. No.	42667	Seq. ID	OJ000250_91.0405.C38
Gene No.	88993	Strand	-
Start	172	End	2629
Name	OJ000250_91.0405.C38.o1.tc	Method	TBLASTX:Cress
Start	185	End	439
GI	none	Score	206
Exons	185..412, 187..438, 191..439		

Seq. No.	42667	Seq. ID	OJ000250_91.0405.C38
Gene No.	88993	Strand	-
Start	172	End	2629
Name	OJ000250_91.0405.C38.o1.gs	Method	GENSCAN
Start	187	End	2629
GI	none	Score	.85
Exons	187..648, 1522..1830, 2507..2629		

Seq. No.	42667	Seq. ID	OJ000250_91.0405.C38

Gene No.	88993	Strand	-
Start	172	End	2629
Name	OJ000250_91.0405.C38.o1.np	Method	AAT/NAP
Start	187	End	1782
GI	2497538	Score	979
Exons	187..648, 1522..1782		
GI Descrip.	PYRUVATE KINASE, CYTOSOLIC ISOZYME gi\|466350 (L08632) pyruvate kinase [Glycine max]		

Seq. No.	42667	Seq. ID	OJ000250_91.0405.C38
Gene No.	88993	Strand	-
Start	172	End	2629
Name	OJ000250_91.0405.C38.o1.tw	Method	TBLASTX:Wheat
Start	520	End	1729
GI	none	Score	75
Exons	520..594, 573..650, 580..651, 605..649, 1520..1567, 1522..1728, 1523..1729		

Seq. No.	42667	Seq. ID	OJ000250_91.0405.C38
Gene No.	88993	Strand	-
Start	172	End	2629
Name	OJ000250_91.0405.C38.o2.tc	Method	TBLASTX:Cress
Start	565	End	1723
GI	none	Score	74
Exons	565..651, 605..649, 1522..1722, 1523..1723		

Seq. No.	42668	Seq. ID	OJ000250_91.0405.C39
Gene No.	88994	Strand	+
Start	146	End	311
Name	OJ000250_91.0405.C39.o1.gs	Method	GENSCAN
Start	146	End	311
GI	none	Score	.66
Exons	146..311		

Seq. No.	42669	Seq. ID	OJ000250_91.0405.C40
Gene No.	88995	Strand	+
Start	319	End	2123
Name	OJ000250_91.0405.C40.o1.gs	Method	GENSCAN
Start	319	End	2123
GI	none	Score	.84
Exons	319..668, 2081..2123		

Seq. No.	42670	Seq. ID	OJ000250_91.0405.C41
Gene No.	88996	Strand	+
Start	1	End	199
Name	OJ000250_91.0405.C41.o1.gp	Method	AAT/GAP
Start	1	End	199
GI	21771_1.R1084	Score	394
Exons	1..199		
GI Descrip.	'4454472/gb\|AAD20919\| 4.0e-27 (AC006234) unknown protein [Arabidopsis thaliana]'		

Seq. No.	42670	Seq. ID	OJ000250_91.0405.C41
Gene No.	88997	Strand	+
Start	7360	End	7499
Name	OJ000250_91.0405.C41.o2.gp	Method	AAT/GAP
Start	7360	End	7499

GI	LIB3474-009-P1-K1-F11	Score	228
Exons	7360..7499		
GI Descrip.	'4455244/emb\|CAB36743.1\| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	42670	Seq. ID	OJ000250_91.0405.C41
Gene No.	88998	Strand	+
Start	9194	End	11025
Name	OJ000250_91.0405.C41.o2.np	Method	AAT/NAP
Start	9041	End	9813
GI	6069646	Score	249
Exons	9041..9303, 9564..9813		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	42670	Seq. ID	OJ000250_91.0405.C41
Gene No.	88998	Strand	+
Start	9194	End	11025
Name	OJ000250_91.0405.C41.o2.gs	Method	GENSCAN
Start	9194	End	11025
GI	none	Score	.97
Exons	9194..9276, 10659..11025		

Seq. No.	42670	Seq. ID	OJ000250_91.0405.C41
Gene No.	88999	Strand	+
Start	13630	End	14127
Name	OJ000250_91.0405.C41.o3.gs	Method	GENSCAN
Start	13630	End	14127
GI	none	Score	.93
Exons	13630..14127		

Seq. No.	42670	Seq. ID	OJ000250_91.0405.C41
Gene No.	89000	Strand	-
Start	666	End	8377
Name	OJ000250_91.0405.C41.o1.np	Method	AAT/NAP
Start	296	End	2416
GI	5923666	Score	831
Exons	296..454, 780..1013, 1425..1572, 1660..1897, 1988..2198, 2311..2416		
GI Descrip.	(AC009326) putative receptor ser/thr protein kinase [Arabidopsis thaliana]		

Seq. No.	42670	Seq. ID	OJ000250_91.0405.C41
Gene No.	89000	Strand	-
Start	666	End	8377
Name	OJ000250_91.0405.C41.o1.gs	Method	GENSCAN
Start	666	End	8377
GI	none	Score	.77
Exons	666..1010, 1425..1572, 1660..1897, 1988..2198, 2311..2426, 2611..2728, 3854..4006, 4871..5014, 5421..5513, 7319..7340, 8220..8377		

Seq. No.	42670	Seq. ID	OJ000250_91.0405.C41
Gene No.	89001	Strand	-

Start	13417	End	15125
Name	OJ000250_91.0405.C41.o3.gp	Method	AAT/GAP
Start	13417	End	15125
GI	2265_1.R1084	Score	2693
Exons	13417..14091, 14303..14546, 14647..15125		
GI Descrip.	'542200/pir\|\|S41890 4.0e-86 hypothetical protein - garden asparagus >gi_452714_emb_CAA54526_ (X77320) unknown [Asparagus officinalis]'		

Seq. No.	42670	Seq. ID	OJ000250_91.0405.C41
Gene No.	89001	Strand	-
Start	13417	End	15125
Name	OJ000250_91.0405.C41.o3.np	Method	AAT/NAP
Start	13774	End	14858
GI	542200	Score	826
Exons	13774..14094, 14306..14546, 14647..14858		
GI Descrip.	hypothetical protein - garden asparagus gi\|452714\|emb\|CAA54526\| (X77320) unknown [Asparagus officinalis]		

Seq. No.	42670	Seq. ID	OJ000250_91.0405.C41
Gene No.	89001	Strand	-
Start	13417	End	15125
Name	OJ000250_91.0405.C41.o4.gs	Method	GENSCAN
Start	14294	End	14858
GI	none	Score	.97
Exons	14294..14546, 14647..14858		

Seq. No.	42670	Seq. ID	OJ000250_91.0405.C41
Gene No.	89002	Strand	-
Start	17148	End	17695
Name	OJ000250_91.0405.C41.o3.ts	Method	TBLASTX:Soybean
Start	801	End	1010
GI	none	Score	115
Exons	801..1010, 805..927		

Seq. No.	42670	Seq. ID	OJ000250_91.0405.C41
Gene No.	89002	Strand	-
Start	17148	End	17695
Name	OJ000250_91.0405.C41.o1.tm	Method	TBLASTX:Maize
Start	891	End	2334
GI	none	Score	72
Exons	891..1013, 906..1016, 1425..1571, 1434..1571, 1436..1573, 1495..1632, 1658..1867, 1659..1901, 1660..1725, 1665..1898, 1975..2199, 1980..2207, 2311..2334		

Seq. No.	42670	Seq. ID	OJ000250_91.0405.C41
Gene No.	89002	Strand	-
Start	17148	End	17695
Name	OJ000250_91.0405.C41.o3.tc	Method	TBLASTX:Cress
Start	936	End	1868
GI	none	Score	69
Exons	936..1010, 1440..1571, 1501..1698, 1660..1854, 1662..1868		

Seq. No.	42670	Seq. ID	OJ000250_91.0405.C41
Gene No.	89002	Strand	-
Start	17148	End	17695
Name	OJ000250_91.0405.C41.o1.ts	Method	TBLASTX:Soybean

Start	1464	End	2397
GI	none	Score	58
Exons	1464..1571, 1504..1575, 1660..1869, 1662..1898, 1713..1877, 1960..2184, 1965..2207, 1986..2186, 2311..2397		

Seq. No.	42670	Seq. ID	OJ000250_91.0405.C41
Gene No.	89002	Strand	-
Start	17148	End	17695
Name	OJ000250_91.0405.C41.o2.tw	Method	TBLASTX:Wheat
Start	1749	End	2207
GI	none	Score	84
Exons	1749..1898, 1749..1901, 1965..2207, 1986..2174, 1987..2199		

Seq. No.	42670	Seq. ID	OJ000250_91.0405.C41
Gene No.	89002	Strand	-
Start	17148	End	17695
Name	OJ000250_91.0405.C41.o1.tc	Method	TBLASTX:Cress
Start	1981	End	2698
GI	none	Score	103
Exons	1981..2205, 1982..2092, 1984..2199, 1986..2225, 2308..2415, 2308..2430, 2309..2431, 2366..2431, 2609..2698		

Seq. No.	42670	Seq. ID	OJ000250_91.0405.C41
Gene No.	89002	Strand	-
Start	17148	End	17695
Name	OJ000250_91.0405.C41.o4.tm	Method	TBLASTX:Maize
Start	9044	End	9307
GI	none	Score	189
Exons	9044..9307, 9211..9303		

Seq. No.	42670	Seq. ID	OJ000250_91.0405.C41
Gene No.	89002	Strand	-
Start	17148	End	17695
Name	OJ000250_91.0405.C41.o2.tm	Method	TBLASTX:Maize
Start	13796	End	14456
GI	none	Score	348
Exons	13796..13984, 13816..14109, 13817..14077, 14303..14455, 14304..14456		

Seq. No.	42670	Seq. ID	OJ000250_91.0405.C41
Gene No.	89002	Strand	-
Start	17148	End	17695
Name	OJ000250_91.0405.C41.o2.tc	Method	TBLASTX:Cress
Start	13816	End	14870
GI	none	Score	300
Exons	13816..14088, 13817..14086, 13852..14091, 14364..14450, 14369..14458, 14429..14548, 14466..14549, 14685..14786, 14796..14870		

Seq. No.	42670	Seq. ID	OJ000250_91.0405.C41
Gene No.	89002	Strand	-
Start	17148	End	17695
Name	OJ000250_91.0405.C41.o2.ts	Method	TBLASTX:Soybean
Start	13816	End	14485
GI	none	Score	316
Exons	13816..14115, 13817..14086, 13828..14091, 14303..14485, 14307..14450		

Seq. No.	42670	Seq. ID	OJ000250_91.0405.C41
Gene No.	89002	Strand	-
Start	17148	End	17695
Name	OJ000250_91.0405.C41.o1.tw	Method	TBLASTX:Wheat
Start	14399	End	14862
GI	none	Score	189
Exons	14399..14560, 14400..14561, 14655..14861, 14656..14862, 14776..14862		

Seq. No.	42670	Seq. ID	OJ000250_91.0405.C41
Gene No.	89002	Strand	-
Start	17148	End	17695
Name	OJ000250_91.0405.C41.o3.tm	Method	TBLASTX:Maize
Start	14462	End	14861
GI	none	Score	86
Exons	14462..14551, 14462..14548, 14685..14798, 14686..14772, 14778..14861, 14812..14859		

Seq. No.	42670	Seq. ID	OJ000250_91.0405.C41
Gene No.	89002	Strand	-
Start	17148	End	17695
Name	OJ000250_91.0405.C41.o6.gs	Method	GENSCAN
Start	17148	End	17695
GI	none	Score	.75
Exons	17148..17244, 17527..17618, 17651..17695		

Seq. No.	42671	Seq. ID	OJ000250_91.0405.C43
Gene No.	89003	Strand	-
Start	1	End	5550
Name	OJ000250_91.0405.C43.o1.np	Method	AAT/NAP
Start	1	End	5142
GI	2443881	Score	1006
Exons	1..22, 1709..1937, 2044..2187, 2275..2349, 3111..3181, 3851..3953, 4155..4381, 4539..4682, 4983..5142		
GI Descrip.	(AC002294) contains beta-transducin motif [Arabidopsis thaliana]		

Seq. No.	42671	Seq. ID	OJ000250_91.0405.C43
Gene No.	89003	Strand	-
Start	1	End	5550
Name	OJ000250_91.0405.C43.o1.gs	Method	GENSCAN
Start	85	End	5117
GI	none	Score	.69
Exons	85..141, 775..1666, 2044..2187, 2275..2349, 3111..3181, 3851..3953, 4155..4381, 4539..4656, 4987..5117		

Seq. No.	42671	Seq. ID	OJ000250_91.0405.C43
Gene No.	89003	Strand	-
Start	1	End	5550
Name	OJ000250_91.0405.C43.o2.tm	Method	TBLASTX:Maize
Start	827	End	1528
GI	none	Score	157
Exons	827..994, 840..929, 872..1012, 891..1013, 893..1033, 930..1097, 933..1034, 944..967, 953..1078, 982..1047, 983..1138, 984..1124, 986..1105, 987..1106, 997..1116, 1058..1237, 1067..1105, 1077..1127, 1078..1134, 1095..1241, 1105..1239, 1107..1238, 1109..1204, 1114..1242, 1118..1255, 1118..1186, 1119..1241,		

1121..1204, 1124..1240, 1228..1254, 1228..1272, 1235..1447, 1247..1339, 1250..1297, 1257..1304, 1259..1360, 1289..1528, 1289..1528, 1303..1368, 1304..1381

Seq. No.	42671	Seq. ID	OJ000250_91.0405.C43
Gene No.	89003	Strand	-
Start	1	End	5550
Name	OJ000250_91.0405.C43.o1.tm	Method	TBLASTX:Maize
Start	1532	End	2353
GI	none	Score	44
Exons	1532..1609, 1541..1606, 1542..1607, 1695..1949, 1696..1938, 1713..1949, 1773..1955, 2034..2189, 2044..2196, 2045..2188, 2261..2353, 2266..2349, 2271..2351		

Seq. No.	42671	Seq. ID	OJ000250_91.0405.C43
Gene No.	89003	Strand	-
Start	1	End	5550
Name	OJ000250_91.0405.C43.o1.tc	Method	TBLASTX:Cress
Start	1698	End	2331
GI	none	Score	70
Exons	1698..1796, 1714..1770, 1716..1775, 1717..1794, 1737..1949, 1832..1945, 2034..2195, 2044..2196, 2048..2185, 2261..2329, 2266..2331		

Seq. No.	42671	Seq. ID	OJ000250_91.0405.C43
Gene No.	89003	Strand	-
Start	1	End	5550
Name	OJ000250_91.0405.C43.o1.gp	Method	AAT/GAP
Start	1841	End	3959
GI	4714835	Score	900
Exons	1841..1937, 2044..2187, 2275..2349, 3111..3181, 3851..3959		
GI Descrip.	2443881 1.0e-59 (AC002294) contains beta-transducin motif [Arabidopsis thaliana]		

Seq. No.	42671	Seq. ID	OJ000250_91.0405.C43
Gene No.	89003	Strand	-
Start	1	End	5550
Name	OJ000250_91.0405.C43.o3.tm	Method	TBLASTX:Maize
Start	3111	End	4662
GI	none	Score	100
Exons	3111..3185, 3112..3183, 3840..3953, 3844..3954, 3845..3952, 3848..3988, 3849..3953, 4152..4361, 4153..4341, 4155..4379, 4269..4361, 4540..4662, 4549..4644		

Seq. No.	42671	Seq. ID	OJ000250_91.0405.C43
Gene No.	89003	Strand	-
Start	1	End	5550
Name	OJ000250_91.0405.C43.o2.gp	Method	AAT/GAP
Start	4988	End	5550
GI	570065	Score	300
Exons	4988..5117, 5517..5550		
GI Descrip.	2443881 1.0e-16 (AC002294) contains beta-transducin motif [Arabidopsis thaliana]		

Seq. No.	42672	Seq. ID	OJ000250_91.0405.C44
Gene No.	89004	Strand	+
Start	64	End	2438

Name	OJ000250_91.0405.C44.o1.gs	Method	GENSCAN
Start	64	End	2438
GI	none	Score	.68
Exons	64..231, 1985..2030, 2305..2438		

Seq. No.	42673	Seq. ID	OJ000250_91.0405.C45
Gene No.	89005	Strand	-
Start	1	End	969
Name	OJ000250_91.0405.C45.o1.np	Method	AAT/NAP
Start	1	End	969
GI	5734734	Score	167
Exons	1..78, 264..379, 849..969		
GI Descrip.	(AC007259) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42673	Seq. ID	OJ000250_91.0405.C45
Gene No.	89005	Strand	-
Start	1	End	969
Name	OJ000250_91.0405.C45.o1.tm	Method	TBLASTX:Maize
Start	42	End	969
GI	none	Score	45
Exons	42..101, 221..325, 265..315, 317..376, 321..377, 324..383, 413..538, 448..537, 455..547, 853..969, 855..968		

Seq. No.	42673	Seq. ID	OJ000250_91.0405.C45
Gene No.	89005	Strand	-
Start	1	End	969
Name	OJ000250_91.0405.C45.o1.gs	Method	GENSCAN
Start	264	End	612
GI	none	Score	.89
Exons	264..376, 458..612		

Seq. No.	42674	Seq. ID	OJ000250_91.0405.C49
Gene No.	89006	Strand	-
Start	1	End	2313
Name	OJ000250_91.0405.C49.o1.np	Method	AAT/NAP
Start	1	End	1906
GI	5689413	Score	609
Exons	1..198, 444..612, 702..1192, 1281..1391, 1681..1906		
GI Descrip.	(AB028961) KIAA1038 protein [Homo sapiens]		

Seq. No.	42674	Seq. ID	OJ000250_91.0405.C49
Gene No.	89006	Strand	-
Start	1	End	2313
Name	OJ000250_91.0405.C49.o2.tm	Method	TBLASTX:Maize
Start	1	End	567
GI	none	Score	143
Exons	1..201, 5..187, 439..567, 441..566		

Seq. No.	42674	Seq. ID	OJ000250_91.0405.C49
Gene No.	89006	Strand	-
Start	1	End	2313
Name	OJ000250_91.0405.C49.o2.ts	Method	TBLASTX:Soybean
Start	1	End	196
GI	none	Score	123
Exons	1..195, 5..196		

Seq. No.	42674	Seq. ID	OJ000250_91.0405.C49

Gene No.	89006	Strand	-
Start	1	End	2313
Name	OJ000250_91.0405.C49.o1.gs	Method	GENSCAN
Start	99	End	2313
GI	none	Score	.49
Exons	99..240, 444..612, 702..820, 1511..1830, 2226..2313		

Seq. No.	42674	Seq. ID	OJ000250_91.0405.C49
Gene No.	89006	Strand	-
Start	1	End	2313
Name	OJ000250_91.0405.C49.o1.tc	Method	TBLASTX:Cress
Start	483	End	1391
GI	none	Score	60
Exons	483..611, 719..823, 864..959, 948..1142, 1284..1391, 1285..1389		

Seq. No.	42674	Seq. ID	OJ000250_91.0405.C49
Gene No.	89006	Strand	-
Start	1	End	2313
Name	OJ000250_91.0405.C49.o1.ts	Method	TBLASTX:Soybean
Start	483	End	1391
GI	none	Score	41
Exons	483..611, 719..823, 864..959, 871..945, 948..1142, 960..1106, 1284..1391, 1285..1389		

Seq. No.	42674	Seq. ID	OJ000250_91.0405.C49
Gene No.	89006	Strand	-
Start	1	End	2313
Name	OJ000250_91.0405.C49.o1.tm	Method	TBLASTX:Maize
Start	573	End	1316
GI	none	Score	68
Exons	573..611, 695..826, 699..836, 701..829, 810..965, 829..969, 860..1096, 948..1142, 949..1140, 959..1147, 1138..1194, 1139..1216, 1139..1195, 1281..1316		

Seq. No.	42674	Seq. ID	OJ000250_91.0405.C49
Gene No.	89006	Strand	-
Start	1	End	2313
Name	OJ000250_91.0405.C49.o1.tw	Method	TBLASTX:Wheat
Start	719	End	1391
GI	none	Score	70
Exons	719..823, 864..959, 948..1142, 1284..1391, 1285..1389		

Seq. No.	42675	Seq. ID	OJ000250_91.0405.C50
Gene No.	89007	Strand	-
Start	417	End	1169
Name	OJ000250_91.0405.C50.o1.tm	Method	TBLASTX:Maize
Start	400	End	613
GI	none	Score	137
Exons	400..612, 418..612, 419..613		

Seq. No.	42675	Seq. ID	OJ000250_91.0405.C50
Gene No.	89007	Strand	-
Start	417	End	1169
Name	OJ000250_91.0405.C50.o1.gs	Method	GENSCAN
Start	417	End	1169
GI	none	Score	.84
Exons	417..611, 746..907, 1142..1169		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89008	Strand	+
Start	676	End	7672
Name	OJ000250_91.0405.C51.o1.np	Method	AAT/NAP
Start	676	End	7672
GI	7228438	Score	5518
Exons	676..2643, 4103..4195, 4280..4690, 4781..5079, 5156..5414, 5507..5689, 5727..5797, 7592..7672		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89008	Strand	+
Start	676	End	7672
Name	OJ000250_91.0405.C51.o1.gp	Method	AAT/GAP
Start	1646	End	2077
GI	5701669	Score	837
Exons	1646..2077		
GI Descrip.	5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89008	Strand	+
Start	676	End	7672
Name	OJ000250_91.0405.C51.o2.gp	Method	AAT/GAP
Start	4907	End	5406
GI	LIB3475-007-P1-K1-G8	Score	801
Exons	4907..5079, 5156..5406		
GI Descrip.	'5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89008	Strand	+
Start	676	End	7672
Name	OJ000250_91.0405.C51.o3.gp	Method	AAT/GAP
Start	6468	End	6921
GI	LIB3431-045-P1-N1-A10	Score	844
Exons	6468..6921		
GI Descrip.	'5441876/dbj\|AP000367.1\|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89009	Strand	+
Start	9087	End	9654
Name	OJ000250_91.0405.C51.o2.gs	Method	GENSCAN
Start	9087	End	9654
GI	none	Score	.99
Exons	9087..9302, 9490..9654		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89010	Strand	+
Start	27234	End	28173
Name	OJ000250_91.0405.C51.o6.gs	Method	GENSCAN

Start	27234	End	28010
GI	none	Score	.88
Exons	27234..28010		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89010	Strand	+
Start	27234	End	28173
Name	OJ000250_91.0405.C51.o6.gp	Method	AAT/GAP
Start	27614	End	28173
GI	none	Score	1092
Exons	27614..28173		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89011	Strand	+
Start	29536	End	35172
Name	OJ000250_91.0405.C51.o7.gs	Method	GENSCAN
Start	29536	End	34905
GI	none	Score	.79
Exons	29536..29603, 30455..30495, 31746..31845, 32053..32152, 32258..32367, 32467..32686, 32767..32889, 32987..33055, 34010..34252, 34330..34392, 34509..34572, 34835..34905		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89011	Strand	+
Start	29536	End	35172
Name	OJ000250_91.0405.C51.o8.gp	Method	AAT/GAP
Start	30997	End	32348
GI	43933_1.R1084	Score	988
Exons	30997..31235, 31953..32152, 32258..32348		
GI Descrip.	'3128186 6.0e-17 (AC004521) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89011	Strand	+
Start	29536	End	35172
Name	OJ000250_91.0405.C51.o9.gp	Method	AAT/GAP
Start	34221	End	35172
GI	uC-osrocyp003c06a1	Score	925
Exons	34221..34252, 34330..34392, 34509..34572, 34835..35172		
GI Descrip.	'6069643/dbj\|AP000616.1\|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89012	Strand	+
Start	44225	End	45286
Name	OJ000250_91.0405.C51.o10.gs	Method	GENSCAN
Start	44225	End	45286
GI	none	Score	.44
Exons	44225..45286		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89013	Strand	+
Start	47829	End	58611
Name	OJ000250_91.0405.C51.o5.np	Method	AAT/NAP
Start	47780	End	50470
GI	7442735	Score	1043
Exons	47780..47901, 48041..48274, 48436..48529, 48627..48844,		

48954..49087, 49193..49420, 49512..49621, 49649..49927, 50437..50470

GI Descrip. amino acid transport protein AAP1 - castor bean gi|3293031|emb|CAA07563.1| (AJ007574) amino acid carrier [Ricinus communis]

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89013	Strand	+
Start	47829	End	58611
Name	OJ000250_91.0405.C51.o11.gp	Method	AAT/GAP
Start	47790	End	48559
GI	LIB3475-006-P1-K1-A4	Score	823
Exons	47790..47901, 48041..48274, 48436..48559		
GI Descrip.	'3293031/emb\|CAA07563\| 3.0e-36 (AJ007574) amino acid carrier [Ricinus communis]'		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89013	Strand	+
Start	47829	End	58611
Name	OJ000250_91.0405.C51.o11.gs	Method	GENSCAN
Start	47829	End	58456
GI	none	Score	.52
Exons	47829..47901, 48041..48274, 48436..48529, 48627..48844, 48954..49087, 49193..49420, 49512..49648, 49682..49840, 50957..51132, 51274..51379, 52027..52102, 52661..52792, 53354..53468, 55367..55442, 55642..55717, 55796..55828, 55911..55979, 56261..56367, 57097..57169, 57774..57868, 58087..58193, 58383..58456		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89013	Strand	+
Start	47829	End	58611
Name	OJ000250_91.0405.C51.o6.np	Method	AAT/NAP
Start	51082	End	58453
GI	7484844	Score	1037
Exons	51082..51132, 51297..51379, 52027..52102, 52661..52792, 54372..54417, 55367..55442, 55642..55717, 55796..55828, 55911..55979, 56261..56367, 57097..57169, 57359..57397, 57774..57868, 58087..58193, 58383..58453		
GI Descrip.	cell division protein pelota - Arabidopsis thaliana gi\|3941543\|gb\|AAC82379.1\| (AF069497) pelota [Arabidopsis thaliana] gi\|4469016\|emb\|CAB38277.1\| (AL035602) pelota (PEL1) [Arabidopsis thaliana] gi\|7269619\|emb\|CAB81415.1\| (AL161571) pelota (PEL1) [Arabidopsis thaliana]		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89013	Strand	+
Start	47829	End	58611
Name	OJ000250_91.0405.C51.o13.gp	Method	AAT/GAP
Start	58101	End	58611
GI	LIB3432-030-P1-K1-F9	Score	593
Exons	58101..58193, 58383..58611		
GI Descrip.	'3941543 2.0e-15 (AF069497) pelota [Arabidopsis thaliana] >gi_4469016_emb_CAB38277_ (AL035602) pelota (PEL1) [Arabidopsis thaliana]'		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51

Gene No.	89014	Strand	-
Start	6071	End	7316
Name	OJ000250_91.0405.C51.o2.np	Method	AAT/NAP
Start	6071	End	7316
GI	6721543	Score	102
Exons	6071..6131, 7186..7316		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89014	Strand	-
Start	6071	End	7316
Name	OJ000250_91.0405.C51.o4.gp	Method	AAT/GAP
Start	6864	End	7302
GI	7406_1.R1084	Score	589
Exons	6864..6938, 6973..7302		
GI Descrip.	'1122315/emb\|CAA63901\| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89015	Strand	-
Start	10241	End	16965
Name	OJ000250_91.0405.C51.o5.gp	Method	AAT/GAP
Start	10241	End	16890
GI	325_1.R1084	Score	3176
Exons	10241..10762, 11149..11209, 11290..11449, 14213..14250, 14330..14383, 14723..14797, 14914..15042, 15158..15245, 15359..15465, 15606..15654, 15750..15853, 16034..16073, 16502..16779, 16861..16890		
GI Descrip.	'121343/sp\|P14655\|GLN2_ORYSA 0.0e+00 GLUTAMINE SYNTHETASE SHOOT ISOZYME, CHLOROPLAST PRECURSOR (GLUTAMATE--AMMONIA LIGASE) (CLONE LAMBDA-GS31) >gi_68598_pir__AJRZQD glutamate--ammonia ligase (EC 6.3.1.2) delta precursor, chloroplast - rice >gi_20370_emb_CAA32462_ (X14246) precursor chloroplastic glutamine synthetase (AA -46 to 382) [Oryza sativa]'		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89015	Strand	-
Start	10241	End	16965
Name	OJ000250_91.0405.C51.o3.gs	Method	GENSCAN
Start	10623	End	16965
GI	none	Score	.65
Exons	10623..10762, 11083..11209, 14330..14383, 14723..14797, 14914..15042, 15158..15245, 15359..15465, 15606..15654, 15750..15877, 16502..16752, 16827..16965		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89015	Strand	-
Start	10241	End	16965
Name	OJ000250_91.0405.C51.o3.np	Method	AAT/NAP
Start	10626	End	16743
GI	121343	Score	1917
Exons	10626..10762, 11149..11209, 11290..11449, 14213..14250, 14330..14383, 14723..14797, 14914..15042, 15158..15245, 15359..15465, 15606..15654, 15750..15853, 16034..16073, 16502..16743		
GI Descrip.	GLUTAMINE SYNTHETASE SHOOT ISOZYME, CHLOROPLAST PRECURSOR (GLUTAMATE--AMMONIA LIGASE) (CLONE LAMBDA-GS31)		

gi|68598|pir||AJRZQD glutamate--ammonia ligase (EC 6.3.1.2) delta precursor, chloroplast - rice gi|20370|emb|CAA32462| (X14246) precursor chloroplastic glutamine synthetase (AA -46 to 382) [Oryza sativa]

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89016	Strand	-
Start	17814	End	20617
Name	OJ000250_91.0405.C51.o4.gs	Method	GENSCAN
Start	17814	End	20617
GI	none	Score	.6
Exons	17814..18441, 18523..19743, 20059..20307, 20391..20617		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51								
Gene No.	89017	Strand	-								
Start	26042	End	39511								
Name	OJ000250_91.0405.C51.o4.np	Method	AAT/NAP								
Start	26042	End	38559								
GI	7486331	Score	869								
Exons	26042..26118, 35900..36035, 36131..36349, 36941..37035, 37115..37201, 37555..37710, 37801..37899, 38275..38559										
GI Descrip.	hypothetical protein F28M20.60 - Arabidopsis thaliana gi	3281853	emb	CAA19748.1	(AL031004) putative protein [Arabidopsis thaliana] gi	7270078	emb	CAB79893.1	(AL161579) putative protein [Arabidopsis thaliana]		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51		
Gene No.	89017	Strand	-		
Start	26042	End	39511		
Name	OJ000250_91.0405.C51.o7.gp	Method	AAT/GAP		
Start	28245	End	28308		
GI	16490_1.R1084	Score	94		
Exons	28245..28308				
GI Descrip.	'4584525/emb	CAB40756.1	7.0e-38 (AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana]'		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51		
Gene No.	89017	Strand	-		
Start	26042	End	39511		
Name	OJ000250_91.0405.C51.o10.gp	Method	AAT/GAP		
Start	35581	End	38331		
GI	19694_1.R1084	Score	1914		
Exons	35581..36035, 36131..36205, 36944..37035, 37115..37201, 37555..37710, 37801..37899, 38275..38331				
GI Descrip.	'3281853/emb	CAA19748	2.0e-98 (AL031004) putative protein [Arabidopsis thaliana]'		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89017	Strand	-
Start	26042	End	39511
Name	OJ000250_91.0405.C51.o8.gs	Method	GENSCAN
Start	35886	End	39511
GI	none	Score	.85
Exons	35886..36035, 36131..36205, 36944..37035, 37115..37201, 37555..37710, 37801..37899, 38275..38402, 39450..39511		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51

Gene No.	89018	Strand	-
Start	56259	End	58482
Name	OJ000250_91.0405.C51.o5.tm	Method	TBLASTX:Maize
Start	1603	End	2199
GI	none	Score	93
Exons	1603..1731, 1611..1709, 1765..2064, 1782..2003, 2128..2199		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89018	Strand	-
Start	56259	End	58482
Name	OJ000250_91.0405.C51.o2.tw	Method	TBLASTX:Wheat
Start	1897	End	2277
GI	none	Score	209
Exons	1897..2091, 1903..2103, 2097..2216, 2101..2277, 2101..2247		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89018	Strand	-
Start	56259	End	58482
Name	OJ000250_91.0405.C51.o6.tm	Method	TBLASTX:Maize
Start	10600	End	14253
GI	none	Score	194
Exons	10600..10767, 10609..10764, 10653..10766, 11126..11209, 11148..11210, 11148..11225, 11161..11214, 11289..11450, 11290..11451, 11291..11452, 14213..14251, 14215..14253		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89018	Strand	-
Start	56259	End	58482
Name	OJ000250_91.0405.C51.o1.tc	Method	TBLASTX:Cress
Start	10622	End	16575
GI	none	Score	158
Exons	10622..10759, 10627..10764, 10671..10763, 11126..11209, 11142..11216, 11147..11206, 11148..11210, 11149..11214, 11289..11447, 11290..11448, 11290..11451, 11291..11452, 14213..14251, 14215..14253, 14330..14386, 14334..14384, 14722..14799, 14723..14800, 14724..14801, 14914..15045, 14915..15046, 14918..15043, 15147..15233, 15149..15244, 15216..15245, 15358..15465, 15358..15465, 15359..15466, 15604..15660, 15618..15653, 15750..15800, 15752..15856, 16501..16575		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89018	Strand	-
Start	56259	End	58482
Name	OJ000250_91.0405.C51.o3.ts	Method	TBLASTX:Soybean
Start	10627	End	11433
GI	none	Score	161
Exons	10627..10767, 10671..10763, 11124..11210, 11126..11209, 11290..11433, 11294..11431		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89018	Strand	-
Start	56259	End	58482
Name	OJ000250_91.0405.C51.o2.ts	Method	TBLASTX:Soybean
Start	14213	End	16578
GI	none	Score	68
Exons	14213..14251, 14215..14250, 14333..14386, 14334..14384,		

14723..14800, 14723..14800, 14724..14801, 14730..14801,
14796..14819, 14914..15045, 14915..15046, 14918..15043,
15149..15244, 15170..15247, 15355..15465, 15356..15466,
15358..15465, 15604..15660, 15618..15653, 15750..15800,
15752..15856, 16501..16578, 16502..16555

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89018	Strand	-
Start	56259	End	58482
Name	OJ000250_91.0405.C51.o1.tw	Method	TBLASTX:Wheat
Start	14215	End	15226
GI	none	Score	41

Exons 14215..14250, 14216..14251, 14333..14386, 14334..14384,
14723..14800, 14724..14798, 14914..15045, 14918..15046,
15149..15226, 15158..15226

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89018	Strand	-
Start	56259	End	58482
Name	OJ000250_91.0405.C51.o2.tm	Method	TBLASTX:Maize
Start	14330	End	16753
GI	none	Score	75

Exons 14330..14386, 14331..14384, 14722..14799, 14723..14800,
14724..14798, 14727..14801, 14914..15045, 14918..15043,
15149..15244, 15158..15247, 15358..15465, 15358..15465,
15359..15466, 15604..15654, 15728..15844, 15752..15856,
15786..15860, 16501..16617, 16502..16633, 16708..16752,
16712..16753

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89018	Strand	-
Start	56259	End	58482
Name	OJ000250_91.0405.C51.o9.tm	Method	TBLASTX:Maize
Start	17994	End	18234
GI	none	Score	54

Exons 17994..18041, 17995..18039, 18039..18233, 18057..18233,
18058..18234

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89018	Strand	-
Start	56259	End	58482
Name	OJ000250_91.0405.C51.o11.tm	Method	TBLASTX:Maize
Start	20032	End	20294
GI	none	Score	175

Exons 20032..20286, 20058..20249, 20250..20294

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89018	Strand	-
Start	56259	End	58482
Name	OJ000250_91.0405.C51.o7.tm	Method	TBLASTX:Maize
Start	23452	End	24038
GI	none	Score	82

Exons 23452..23559, 23566..23673, 23567..23710, 23712..23783,
23829..24038

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89018	Strand	-

Start	56259	End	58482
Name	OJ000250_91.0405.C51.o3.tm	Method	TBLASTX:Maize
Start	31949	End	34234
GI	none	Score	276
Exons	31949..32152, 31951..32154, 31952..32155, 31953..32153, 32256..32366, 32258..32368, 32259..32369, 32464..32628, 32464..32628, 32466..32630, 32466..32630, 32632..32652, 32773..32889, 32785..32889, 32786..32905, 32787..32891, 32979..33035, 32987..33037, 33999..34043, 34002..34043, 34043..34078, 34076..34225, 34082..34234, 34147..34233		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89018	Strand	-
Start	56259	End	58482
Name	OJ000250_91.0405.C51.o5.ts	Method	TBLASTX:Soybean
Start	31949	End	32563
GI	none	Score	56
Exons	31949..31978, 31951..31977, 32033..32152, 32062..32154, 32256..32348, 32258..32368, 32464..32487, 32465..32563		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89018	Strand	-
Start	56259	End	58482
Name	OJ000250_91.0405.C51.o3.tw	Method	TBLASTX:Wheat
Start	32757	End	34234
GI	none	Score	135
Exons	32757..32888, 32757..32888, 32758..32889, 32987..33058, 32991..33056, 34001..34111, 34002..34109, 34130..34234, 34180..34233		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89018	Strand	-
Start	56259	End	58482
Name	OJ000250_91.0405.C51.o4.tm	Method	TBLASTX:Maize
Start	35838	End	38405
GI	none	Score	170
Exons	35838..36038, 35879..36037, 35886..36038, 36127..36204, 36128..36205, 36131..36205, 36942..37037, 36944..37036, 36949..37038, 37113..37202, 37114..37203, 37547..37717, 37549..37701, 37556..37717, 37802..37906, 37803..37907, 38266..38367, 38273..38404, 38274..38405		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89018	Strand	-
Start	56259	End	58482
Name	OJ000250_91.0405.C51.o4.ts	Method	TBLASTX:Soybean
Start	35898	End	38404
GI	none	Score	90
Exons	35898..36038, 36129..36206, 36131..36205, 36924..37034, 36940..37035, 36944..37036, 36948..37037, 37113..37202, 37114..37203, 37118..37216, 37551..37649, 37556..37654, 37556..37669, 37619..37717, 37802..37906, 37803..37907, 38260..38400, 38266..38367, 38273..38404, 38274..38399, 38276..38401		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89018	Strand	-

Start	56259	End	58482
Name	OJ000250_91.0405.C51.o3.tc	Method	TBLASTX:Cress
Start	35919	End	37678
GI	none	Score	110
Exons	35919..36038, 36131..36187, 36942..37034, 36944..37036, 36948..37043, 37113..37205, 37114..37203, 37556..37678, 37560..37658		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89018	Strand	-
Start	56259	End	58482
Name	OJ000250_91.0405.C51.o4.tc	Method	TBLASTX:Cress
Start	38273	End	38405
GI	none	Score	155
Exons	38273..38404, 38274..38405		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89018	Strand	-
Start	56259	End	58482
Name	OJ000250_91.0405.C51.o2.tc	Method	TBLASTX:Cress
Start	47859	End	49924
GI	none	Score	59
Exons	47859..47918, 48037..48276, 48039..48257, 48699..48836, 48700..48843, 48958..49053, 48959..49087, 49190..49423, 49228..49422, 49650..49922, 49658..49924		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89018	Strand	-
Start	56259	End	58482
Name	OJ000250_91.0405.C51.o1.ts	Method	TBLASTX:Soybean
Start	47874	End	49940
GI	none	Score	54
Exons	47874..47918, 48037..48276, 48039..48275, 48627..48677, 48628..48708, 48684..48842, 48688..48843, 48938..49087, 48958..49083, 49190..49423, 49249..49413, 49506..49607, 49650..49940, 49673..49933		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89018	Strand	-
Start	56259	End	58482
Name	OJ000250_91.0405.C51.o8.tm	Method	TBLASTX:Maize
Start	48049	End	48753
GI	none	Score	269
Exons	48049..48276, 48051..48176, 48646..48708, 48700..48753		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89018	Strand	-
Start	56259	End	58482
Name	OJ000250_91.0405.C51.o1.tm	Method	TBLASTX:Maize
Start	48759	End	49942
GI	none	Score	114
Exons	48759..48848, 48760..48843, 48956..49087, 48958..49089, 48967..49089, 49189..49248, 49190..49423, 49246..49425, 49506..49586, 49517..49621, 49649..49942, 49656..49940		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89018	Strand	-

Start	56259	End	58482
Name	OJ000250_91.0405.C51.o10.tm	Method	TBLASTX:Maize
Start	51079	End	58482
GI	none	Score	76
Exons	51079..51135, 51294..51380, 51294..51380, 51296..51385, 52025..52108, 52025..52114, 52659..52745, 52660..52794, 52661..52792, 54369..54425, 55362..55442, 55366..55440, 55636..55710, 55639..55713, 55640..55726, 55640..55717, 55782..55841, 55794..55829, 55795..55830, 55904..55981, 55905..55979, 55908..55994, 55919..55981, 56253..56369, 56258..56392, 56258..56371, 57091..57171, 57091..57171, 57095..57187, 57773..57877, 57774..57869, 57778..57888, 58075..58185, 58085..58195, 58087..58191, 58382..58459, 58384..58470, 58384..58482		

Seq. No.	42676	Seq. ID	OJ000250_91.0405.C51
Gene No.	89018	Strand	-
Start	56259	End	58482
Name	OJ000250_91.0405.C51.o12.gp	Method	AAT/GAP
Start	56259	End	56406
GI	LIB3475-011-P1-K1-F12	Score	177
Exons	56259..56406		
GI Descrip.	'3941543 1.0e-25 (AF069497) pelota [Arabidopsis thaliana] >gi_4469016_emb_CAB38277_ (AL035602) pelota (PEL1) [Arabidopsis thaliana]'		

Seq. No.	42677	Seq. ID	OJ000250_91.0405.C52
Gene No.	89019	Strand	+
Start	1	End	2109
Name	OJ000250_91.0405.C52.o1.np	Method	AAT/NAP
Start	1	End	2109
GI	6069646	Score	334
Exons	1..45, 1722..2109		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	42677	Seq. ID	OJ000250_91.0405.C52
Gene No.	89020	Strand	-
Start	2007	End	2086
Name	OJ000250_91.0405.C52.o1.gs	Method	GENSCAN
Start	2007	End	2086
GI	none	Score	.4
Exons	2007..2086		

Seq. No.	42678	Seq. ID	OJ000250_91.0405.C53
Gene No.	89021	Strand	+
Start	7147	End	7374
Name	OJ000250_91.0405.C53.o2.gs	Method	GENSCAN
Start	7147	End	7374
GI	none	Score	1
Exons	7147..7374		

Seq. No.	42678	Seq. ID	OJ000250_91.0405.C53
Gene No.	89022	Strand	-

Start	291	End	7198
Name	OJ000250_91.0405.C53.o1.gs	Method	GENSCAN
Start	291	End	7049
GI	none	Score	.62
Exons	291..670, 1432..1451, 6016..6047, 6711..7049		

Seq. No.	42678	Seq. ID	OJ000250_91.0405.C53
Gene No.	89022	Strand	-
Start	291	End	7198
Name	OJ000250_91.0405.C53.o1.gp	Method	AAT/GAP
Start	6274	End	6641
GI	699981	Score	713
Exons	6274..6641		

Seq. No.	42678	Seq. ID	OJ000250_91.0405.C53
Gene No.	89022	Strand	-
Start	291	End	7198
Name	OJ000250_91.0405.C53.o1.np	Method	AAT/NAP
Start	6669	End	7198
GI	4531440	Score	163
Exons	6669..6810, 6894..7198		
GI Descrip.	(AC006224) unknown protein [Arabidopsis thaliana]		

Seq. No.	42678	Seq. ID	OJ000250_91.0405.C53
Gene No.	89023	Strand	-
Start	7982	End	10163
Name	OJ000250_91.0405.C53.o3.gs	Method	GENSCAN
Start	7982	End	10163
GI	none	Score	.73
Exons	7982..8158, 9240..9298, 10109..10163		

Seq. No.	42678	Seq. ID	OJ000250_91.0405.C53
Gene No.	89024	Strand	-
Start	11618	End	11754
Name	OJ000250_91.0405.C53.o4.gs	Method	GENSCAN
Start	11618	End	11754
GI	none	Score	.83
Exons	11618..11754		

Seq. No.	42679	Seq. ID	OJ000250_91.0405.C54
Gene No.	89025	Strand	+
Start	60	End	1175
Name	OJ000250_91.0405.C54.o1.gs	Method	GENSCAN
Start	60	End	1175
GI	none	Score	.68
Exons	60..104, 418..588, 1050..1175		

Seq. No.	42679	Seq. ID	OJ000250_91.0405.C54
Gene No.	89026	Strand	-
Start	2646	End	5022
Name	OJ000250_91.0405.C54.o2.gs	Method	GENSCAN
Start	2646	End	5022
GI	none	Score	.84
Exons	2646..2676, 3113..3249, 3710..3806, 4646..4771, 4973..5022		

Seq. No.	42680	Seq. ID	OJ000250_91.0405.C55
Gene No.	89027	Strand	-

Start	499	End	1388
Name	OJ000250_91.0405.C55.o1.gs	Method	GENSCAN
Start	499	End	1388
GI	none	Score	.74
Exons	499..688, 760..881, 983..1072, 1199..1388		

Seq. No.	42680	Seq. ID	OJ000250_91.0405.C55
Gene No.	89028	Strand	-
Start	2188	End	4105
Name	OJ000250_91.0405.C55.o2.gs	Method	GENSCAN
Start	2188	End	4105
GI	none	Score	.96
Exons	2188..2323, 2875..2984, 3254..3432, 4096..4105		

Seq. No.	42680	Seq. ID	OJ000250_91.0405.C55
Gene No.	89029	Strand	-
Start	4610	End	9442
Name	OJ000250_91.0405.C55.o2.ts	Method	TBLASTX:Soybean
Start	4400	End	7282
GI	none	Score	80
Exons	4400..4522, 4608..4730, 4609..4731, 4613..4738, 4614..4742, 5860..6018, 5861..6016, 6993..7205, 6993..7181, 6998..7213, 7199..7282, 7215..7268		

Seq. No.	42680	Seq. ID	OJ000250_91.0405.C55
Gene No.	89029	Strand	-
Start	4610	End	9442
Name	OJ000250_91.0405.C55.o3.tm	Method	TBLASTX:Maize
Start	4607	End	6018
GI	none	Score	177
Exons	4607..4738, 4608..4736, 5855..5902, 5860..6018, 5861..6016		

Seq. No.	42680	Seq. ID	OJ000250_91.0405.C55
Gene No.	89029	Strand	-
Start	4610	End	9442
Name	OJ000250_91.0405.C55.o3.gs	Method	GENSCAN
Start	4610	End	9442
GI	none	Score	.96
Exons	4610..4729, 5860..6015, 6998..7267, 7946..9442		

Seq. No.	42680	Seq. ID	OJ000250_91.0405.C55
Gene No.	89029	Strand	-
Start	4610	End	9442
Name	OJ000250_91.0405.C55.o1.np	Method	AAT/NAP
Start	4613	End	8692
GI	6554202	Score	1694
Exons	4613..4729, 5860..6015, 6998..7267, 7946..8692		
GI Descrip.	(AC011661) T23J18.5 [Arabidopsis thaliana]		

Seq. No.	42680	Seq. ID	OJ000250_91.0405.C55
Gene No.	89029	Strand	-
Start	4610	End	9442
Name	OJ000250_91.0405.C55.o1.gp	Method	AAT/GAP
Start	5983	End	8132
GI	uC-osf1cyp121b09b1	Score	928
Exons	5983..6015, 6998..7267, 7946..8132		
GI Descrip.	'4585871/gb\|AAD25544.1\|AC005850_1 1.0e-67 (AC005850) Unknown		

protein [Arabidopsis thaliana]'

Seq. No.	42680	Seq. ID	OJ000250_91.0405.C55
Gene No.	89029	Strand	-
Start	4610	End	9442
Name	OJ000250_91.0405.C55.o2.tm	Method	TBLASTX:Maize
Start	7205	End	8185
GI	none	Score	88
Exons	7205..7282, 7206..7268, 7943..8125, 7944..8123, 7945..8124, 8088..8183, 8126..8182, 8126..8185		

Seq. No.	42680	Seq. ID	OJ000250_91.0405.C55
Gene No.	89029	Strand	-
Start	4610	End	9442
Name	OJ000250_91.0405.C55.o1.ts	Method	TBLASTX:Soybean
Start	7946	End	8281
GI	none	Score	261
Exons	7946..8242, 7946..8281, 7947..8270		

Seq. No.	42680	Seq. ID	OJ000250_91.0405.C55
Gene No.	89029	Strand	-
Start	4610	End	9442
Name	OJ000250_91.0405.C55.o1.tm	Method	TBLASTX:Maize
Start	8432	End	8731
GI	none	Score	393
Exons	8432..8731, 8463..8729		

Seq. No.	42680	Seq. ID	OJ000250_91.0405.C55
Gene No.	89029	Strand	-
Start	4610	End	9442
Name	OJ000250_91.0405.C55.o1.tc	Method	TBLASTX:Cress
Start	8435	End	8669
GI	none	Score	105
Exons	8435..8488, 8465..8587, 8469..8585, 8519..8668, 8589..8657, 8589..8669		

Seq. No.	42680	Seq. ID	OJ000250_91.0405.C55
Gene No.	89029	Strand	-
Start	4610	End	9442
Name	OJ000250_91.0405.C55.o3.ts	Method	TBLASTX:Soybean
Start	8524	End	8758
GI	none	Score	153
Exons	8524..8724, 8528..8758, 8535..8723, 8536..8724		

Seq. No.	42680	Seq. ID	OJ000250_91.0405.C55
Gene No.	89029	Strand	-
Start	4610	End	9442
Name	OJ000250_91.0405.C55.o4.tm	Method	TBLASTX:Maize
Start	8732	End	8948
GI	none	Score	79
Exons	8732..8800, 8733..8801, 8733..8801, 8813..8947, 8814..8948		

Seq. No.	42681	Seq. ID	OJ000250_91.0405.C56
Gene No.	89030	Strand	+
Start	1052	End	3611
Name	OJ000250_91.0405.C56.o1.gs	Method	GENSCAN
Start	1052	End	3387

GI	none	Score	.48
Exons	1052..1083, 1166..1541, 2058..2187, 2339..3387		

Seq. No.	42681	Seq. ID	OJ000250_91.0405.C56
Gene No.	89030	Strand	+
Start	1052	End	3611
Name	OJ000250_91.0405.C56.o1.gp	Method	AAT/GAP
Start	1268	End	3611
GI	215_1.R1084	Score	3247
Exons	1268..1541, 2058..2187, 2283..3611		
GI Descrip.	'4158219/emb\|CAA77234\| 0.0e+00 (Y18623) amylogenin [Oryza sativa]'		

Seq. No.	42681	Seq. ID	OJ000250_91.0405.C56
Gene No.	89030	Strand	+
Start	1052	End	3611
Name	OJ000250_91.0405.C56.o1.np	Method	AAT/NAP
Start	1425	End	2906
GI	7269940	Score	171
Exons	1425..1541, 2058..2187, 2869..2906		
GI Descrip.	(AL161577) putative protein [Arabidopsis thaliana]		

Seq. No.	42681	Seq. ID	OJ000250_91.0405.C56
Gene No.	89030	Strand	+
Start	1052	End	3611
Name	OJ000250_91.0405.C56.o2.np	Method	AAT/NAP
Start	2344	End	3384
GI	4158219	Score	1831
Exons	2344..3384		
GI Descrip.	(Y18623) amylogenin [Oryza sativa]		

Seq. No.	42681	Seq. ID	OJ000250_91.0405.C56
Gene No.	89031	Strand	-
Start	3622	End	9511
Name	OJ000250_91.0405.C56.o4.tm	Method	TBLASTX:Maize
Start	1401	End	2471
GI	none	Score	39
Exons	1401..1424, 1428..1619, 2052..2186, 2057..2188, 2060..2188, 2337..2468, 2338..2469, 2340..2471, 2342..2470		

Seq. No.	42681	Seq. ID	OJ000250_91.0405.C56
Gene No.	89031	Strand	-
Start	3622	End	9511
Name	OJ000250_91.0405.C56.o1.tc	Method	TBLASTX:Cress
Start	2413	End	3360
GI	none	Score	117
Exons	2413..2538, 2550..2804, 2550..2993, 2551..3057, 2584..3006, 3045..3122, 3046..3141, 3049..3126, 3169..3360		

Seq. No.	42681	Seq. ID	OJ000250_91.0405.C56
Gene No.	89031	Strand	-
Start	3622	End	9511
Name	OJ000250_91.0405.C56.o2.tw	Method	TBLASTX:Wheat
Start	2413	End	2640
GI	none	Score	121
Exons	2413..2538, 2551..2640		

Seq. No.	42681	Seq. ID	OJ000250_91.0405.C56
Gene No.	89031	Strand	-
Start	3622	End	9511
Name	OJ000250_91.0405.C56.o1.tm	Method	TBLASTX:Maize
Start	2471	End	3391
GI	none	Score	82
Exons	2471..2536, 2472..2537, 2473..2547, 2473..2538, 2551..3387, 2551..3387, 3239..3391		

Seq. No.	42681	Seq. ID	OJ000250_91.0405.C56
Gene No.	89031	Strand	-
Start	3622	End	9511
Name	OJ000250_91.0405.C56.o1.ts	Method	TBLASTX:Soybean
Start	2532	End	3366
GI	none	Score	63
Exons	2532..2636, 2532..2849, 2551..3075, 3073..3138, 3099..3125, 3139..3174, 3168..3365, 3169..3366		

Seq. No.	42681	Seq. ID	OJ000250_91.0405.C56
Gene No.	89031	Strand	-
Start	3622	End	9511
Name	OJ000250_91.0405.C56.o1.tw	Method	TBLASTX:Wheat
Start	2904	End	3348
GI	none	Score	110
Exons	2904..2993, 2905..3057, 3046..3141, 3169..3348		

Seq. No.	42681	Seq. ID	OJ000250_91.0405.C56
Gene No.	89031	Strand	-
Start	3622	End	9511
Name	OJ000250_91.0405.C56.o2.gs	Method	GENSCAN
Start	3622	End	9266
GI	none	Score	.81
Exons	3622..3774, 4221..4334, 4512..4626, 4728..5134, 5916..6050, 6150..6544, 6799..7490, 7588..7671, 7769..7860, 7948..8031, 8109..8288, 8832..8876, 8973..9266		

Seq. No.	42681	Seq. ID	OJ000250_91.0405.C56
Gene No.	89031	Strand	-
Start	3622	End	9511
Name	OJ000250_91.0405.C56.o2.gp	Method	AAT/GAP
Start	3814	End	4560
GI	38868_1.R1084	Score	1120
Exons	3814..4334, 4512..4560		
GI Descrip.	'3549652/emb\|CAA12272\| 1.0e-31 (AJ224982) MAP3K epsilon protein kinase [Arabidopsis thaliana]'		

Seq. No.	42681	Seq. ID	OJ000250_91.0405.C56
Gene No.	89031	Strand	-
Start	3622	End	9511
Name	OJ000250_91.0405.C56.o3.tm	Method	TBLASTX:Maize
Start	3843	End	4613
GI	none	Score	48
Exons	3843..3881, 3994..4023, 3995..4024, 3995..4024, 4095..4133, 4096..4134, 4100..4336, 4155..4337, 4157..4336, 4158..4337, 4159..4362, 4505..4612, 4509..4610, 4509..4613, 4510..4611		

Seq. No.	42681	Seq. ID	OJ000250_91.0405.C56

Gene No.	89031	Strand	-
Start	3622	End	9511
Name	OJ000250_91.0405.C56.o3.ts	Method	TBLASTX:Soybean
Start	3995	End	4553
GI	none	Score	48
Exons	3995..4024, 3995..4024, 4095..4133, 4096..4134, 4100..4336, 4155..4337, 4158..4337, 4159..4362, 4509..4553		

Seq. No.	42681	Seq. ID	OJ000250_91.0405.C56
Gene No.	89031	Strand	-
Start	3622	End	9511
Name	OJ000250_91.0405.C56.o4.tc	Method	TBLASTX:Cress
Start	4158	End	4337
GI	none	Score	192
Exons	4158..4337, 4159..4332		

Seq. No.	42681	Seq. ID	OJ000250_91.0405.C56
Gene No.	89031	Strand	-
Start	3622	End	9511
Name	OJ000250_91.0405.C56.o3.np	Method	AAT/NAP
Start	4161	End	9511
GI	3549652	Score	2488
Exons	4161..4334, 4512..4626, 4728..5134, 5916..6050, 6150..6544, 6799..7490, 7588..7671, 7769..7860, 7948..8031, 8109..8288, 8832..8876, 8973..9245, 9467..9511		
GI Descrip.	(AJ224982) MAP3K epsilon protein kinase [Arabidopsis thaliana]		

Seq. No.	42681	Seq. ID	OJ000250_91.0405.C56
Gene No.	89031	Strand	-
Start	3622	End	9511
Name	OJ000250_91.0405.C56.o2.ts	Method	TBLASTX:Soybean
Start	4856	End	5135
GI	none	Score	251
Exons	4856..5110, 4857..5090, 4860..5135, 4861..5109		

Seq. No.	42681	Seq. ID	OJ000250_91.0405.C56
Gene No.	89031	Strand	-
Start	3622	End	9511
Name	OJ000250_91.0405.C56.o2.tc	Method	TBLASTX:Cress
Start	5921	End	6892
GI	none	Score	74
Exons	5921..6052, 5922..6041, 5922..6056, 5926..6051, 6135..6296, 6142..6297, 6147..6296, 6310..6390, 6312..6389, 6435..6548, 6451..6549, 6800..6892, 6801..6887		

Seq. No.	42681	Seq. ID	OJ000250_91.0405.C56
Gene No.	89031	Strand	-
Start	3622	End	9511
Name	OJ000250_91.0405.C56.o2.tm	Method	TBLASTX:Maize
Start	6371	End	7628
GI	none	Score	37
Exons	6371..6391, 6373..6390, 6373..6426, 6453..6548, 6457..6549, 6460..6549, 6810..7082, 6812..7171, 6821..7147, 7145..7492, 7148..7492, 7150..7494, 7159..7530, 7587..7625, 7587..7628		

Seq. No.	42681	Seq. ID	OJ000250_91.0405.C56
Gene No.	89031	Strand	-

Start	3622	End	9511
Name	OJ000250_91.0405.C56.o3.gp	Method	AAT/GAP
Start	6412	End	7404
GI	33511_1.R1084	Score	1421
Exons	6412..6544, 6799..7404		
GI Descrip.	'3549652/emb\|CAA12272\| 2.0e-36 (AJ224982) MAP3K epsilon protein kinase [Arabidopsis thaliana]'		

Seq. No.	42681	Seq. ID	OJ000250_91.0405.C56
Gene No.	89031	Strand	-
Start	3622	End	9511
Name	OJ000250_91.0405.C56.o3.tc	Method	TBLASTX:Cress
Start	7259	End	8147
GI	none	Score	190
Exons	7259..7312, 7325..7492, 7326..7499, 7586..7684, 7587..7673, 7587..7688, 7588..7674, 7759..7851, 7771..7794, 7945..8034, 7949..8020, 8106..8147		

Seq. No.	42681	Seq. ID	OJ000250_91.0405.C56
Gene No.	89031	Strand	-
Start	3622	End	9511
Name	OJ000250_91.0405.C56.o4.gp	Method	AAT/GAP
Start	9127	End	9270
GI	none	Score	249
Exons	9127..9270		

Seq. No.	42682	Seq. ID	OJ000250_91.0405.C57
Gene No.	89032	Strand	+
Start	10181	End	10390
Name	OJ000250_91.0405.C57.o3.gs	Method	GENSCAN
Start	10181	End	10390
GI	none	Score	.99
Exons	10181..10390		

Seq. No.	42682	Seq. ID	OJ000250_91.0405.C57
Gene No.	89033	Strand	+
Start	11576	End	18931
Name	OJ000250_91.0405.C57.o4.gs	Method	GENSCAN
Start	11576	End	18922
GI	none	Score	.61
Exons	11576..12131, 13471..13725, 15516..15706, 15759..15885, 15958..16027, 16739..17024, 17396..18922		

Seq. No.	42682	Seq. ID	OJ000250_91.0405.C57
Gene No.	89033	Strand	+
Start	11576	End	18931
Name	OJ000250_91.0405.C57.o3.np	Method	AAT/NAP
Start	15891	End	18931
GI	6358806	Score	935
Exons	15891..15975, 16486..16549, 16824..17076, 17376..17598, 17647..18931		
GI Descrip.	(AC010675) putative peptide transporter [Arabidopsis thaliana]		

Seq. No.	42682	Seq. ID	OJ000250_91.0405.C57
Gene No.	89034	Strand	-
Start	1	End	5464
Name	OJ000250_91.0405.C57.o1.gp	Method	AAT/GAP

Start	1	End	287
GI	none	Score	570
Exons	1..287		

Seq. No.	42682	Seq. ID	OJ000250_91.0405.C57
Gene No.	89034	Strand	-
Start	1	End	5464
Name	OJ000250_91.0405.C57.o1.np	Method	AAT/NAP
Start	1	End	5464
GI	3549652	Score	1047
Exons	1..62, 1293..1380, 1470..1541, 1648..1779, 2027..2128, 2456..2539, 2614..2704, 2817..2890, 3356..3376, 5139..5273, 5405..5464		
GI Descrip.	(AJ224982) MAP3K epsilon protein kinase [Arabidopsis thaliana]		

Seq. No.	42682	Seq. ID	OJ000250_91.0405.C57
Gene No.	89034	Strand	-
Start	1	End	5464
Name	OJ000250_91.0405.C57.o1.gs	Method	GENSCAN
Start	9	End	5464
GI	none	Score	.5
Exons	9..297, 425..536, 1764..1888, 2027..2128, 2614..2704, 4145..4167, 5139..5273, 5405..5464		

Seq. No.	42682	Seq. ID	OJ000250_91.0405.C57
Gene No.	89035	Strand	-
Start	7570	End	9881
Name	OJ000250_91.0405.C57.o2.gp	Method	AAT/GAP
Start	7320	End	9881
GI	20140_1.R1084	Score	1066
Exons	7320..7633, 8266..8313, 9671..9881		
GI Descrip.	'4455194/emb\|CAB36517.1\| 6.0e-22 (AL035440) putative protein [Arabidopsis thaliana]'		

Seq. No.	42682	Seq. ID	OJ000250_91.0405.C57
Gene No.	89035	Strand	-
Start	7570	End	9881
Name	OJ000250_91.0405.C57.o2.gs	Method	GENSCAN
Start	7570	End	9768
GI	none	Score	.6
Exons	7570..7633, 9671..9768		

Seq. No.	42682	Seq. ID	OJ000250_91.0405.C57
Gene No.	89035	Strand	-
Start	7570	End	9881
Name	OJ000250_91.0405.C57.o2.np	Method	AAT/NAP
Start	7570	End	9768
GI	7485346	Score	189
Exons	7570..7633, 8266..8313, 9671..9768		
GI Descrip.	hypothetical protein F10M23.50 - Arabidopsis thaliana gi\|4455194\|emb\|CAB36517.1\| (AL035440) putative protein [Arabidopsis thaliana] gi\|7269523\|emb\|CAB79526.1\| (AL161565) putative protein [Arabidopsis thaliana]		

Seq. No.	42682	Seq. ID	OJ000250_91.0405.C57
Gene No.	89036	Strand	-
Start	20119	End	20926

Name	OJ000250_91.0405.C57.o1.tm	Method	TBLASTX:Maize
Start	1232	End	2902
GI	none	Score	116
Exons	1232..1261, 1298..1384, 1299..1406, 1306..1380, 1308..1382, 1468..1542, 1470..1544, 1470..1541, 1643..1780, 1644..1772, 1648..1782, 1648..1779, 1970..2125, 1971..2108, 2103..2129, 2454..2540, 2459..2542, 2459..2542, 2610..2705, 2611..2703, 2612..2704, 2808..2891, 2813..2902, 2816..2893, 2823..2897		

Seq. No.	42682	Seq. ID	OJ000250_91.0405.C57
Gene No.	89036	Strand	-
Start	20119	End	20926
Name	OJ000250_91.0405.C57.o2.ts	Method	TBLASTX:Soybean
Start	5139	End	5274
GI	none	Score	169
Exons	5139..5273, 5140..5274		

Seq. No.	42682	Seq. ID	OJ000250_91.0405.C57
Gene No.	89036	Strand	-
Start	20119	End	20926
Name	OJ000250_91.0405.C57.o4.tm	Method	TBLASTX:Maize
Start	5139	End	5639
GI	none	Score	218
Exons	5139..5273, 5140..5274, 5192..5314, 5402..5476, 5406..5465, 5407..5469, 5568..5639		

Seq. No.	42682	Seq. ID	OJ000250_91.0405.C57
Gene No.	89036	Strand	-
Start	20119	End	20926
Name	OJ000250_91.0405.C57.o1.tw	Method	TBLASTX:Wheat
Start	13975	End	14271
GI	none	Score	273
Exons	13975..14271, 13980..14270, 13984..14271		

Seq. No.	42682	Seq. ID	OJ000250_91.0405.C57
Gene No.	89036	Strand	-
Start	20119	End	20926
Name	OJ000250_91.0405.C57.o3.tm	Method	TBLASTX:Maize
Start	14160	End	14451
GI	none	Score	258
Exons	14160..14267, 14161..14451, 14292..14321		

Seq. No.	42682	Seq. ID	OJ000250_91.0405.C57
Gene No.	89036	Strand	-
Start	20119	End	20926
Name	OJ000250_91.0405.C57.o1.tc	Method	TBLASTX:Cress
Start	16827	End	18853
GI	none	Score	86
Exons	16827..16997, 17408..17608, 17681..17842, 18028..18189, 18077..18268, 18272..18412, 18283..18423, 18494..18676, 18499..18639, 18731..18853		

Seq. No.	42682	Seq. ID	OJ000250_91.0405.C57
Gene No.	89036	Strand	-
Start	20119	End	20926
Name	OJ000250_91.0405.C57.o3.ts	Method	TBLASTX:Soybean
Start	16827	End	17842

GI	none	Score	118
Exons	16827..17012, 16856..16993, 17414..17605, 17681..17842, 17686..17838		

Seq. No.	42682	Seq. ID	OJ000250_91.0405.C57
Gene No.	89036	Strand	-
Start	20119	End	20926
Name	OJ000250_91.0405.C57.o5.tm	Method	TBLASTX:Maize
Start	16863	End	17928
GI	none	Score	106
Exons	16863..17024, 16914..17024, 17399..17455, 17477..17629, 17669..17863, 17680..17928		

Seq. No.	42682	Seq. ID	OJ000250_91.0405.C57
Gene No.	89036	Strand	-
Start	20119	End	20926
Name	OJ000250_91.0405.C57.o1.ts	Method	TBLASTX:Soybean
Start	18028	End	18844
GI	none	Score	168
Exons	18028..18189, 18029..18211, 18224..18412, 18232..18423, 18502..18612, 18503..18634, 18721..18762, 18731..18844		

Seq. No.	42682	Seq. ID	OJ000250_91.0405.C57
Gene No.	89036	Strand	-
Start	20119	End	20926
Name	OJ000250_91.0405.C57.o2.tm	Method	TBLASTX:Maize
Start	18070	End	18853
GI	none	Score	213
Exons	18070..18429, 18098..18412, 18179..18433, 18424..18645, 18497..18646, 18737..18853, 18740..18793		

Seq. No.	42682	Seq. ID	OJ000250_91.0405.C57
Gene No.	89036	Strand	-
Start	20119	End	20926
Name	OJ000250_91.0405.C57.o6.gs	Method	GENSCAN
Start	20119	End	20926
GI	none	Score	.92
Exons	20119..20501, 20753..20826, 20883..20926		

Seq. No.	42683	Seq. ID	OJ000250_91.0405.C58
Gene No.	89037	Strand	-
Start	464	End	3922
Name	OJ000250_91.0405.C58.o1.gs	Method	GENSCAN
Start	464	End	3904
GI	none	Score	.74
Exons	464..610, 755..1246, 1582..1692, 1769..1809, 2422..2566, 3803..3904		

Seq. No.	42683	Seq. ID	OJ000250_91.0405.C58
Gene No.	89037	Strand	-
Start	464	End	3922
Name	OJ000250_91.0405.C58.o1.gp	Method	AAT/GAP
Start	512	End	901
GI	2797320	Score	441
Exons	512..610, 755..901		

Seq. No.	42683	Seq. ID	OJ000250_91.0405.C58

Gene No.	89037	Strand	-
Start	464	End	3922
Name	OJ000250_91.0405.C58.o1.tm	Method	TBLASTX:Maize
Start	748	End	1233
GI	none	Score	295
Exons	748..1053, 755..1231, 762..1190, 1075..1233		

Seq. No.	42683	Seq. ID	OJ000250_91.0405.C58
Gene No.	89037	Strand	-
Start	464	End	3922
Name	OJ000250_91.0405.C58.o2.tm	Method	TBLASTX:Maize
Start	1235	End	3922
GI	none	Score	145
Exons	1235..1345, 1236..1343, 1238..1345, 1555..1695, 1579..1695, 1583..1696, 1769..1813, 1770..1814, 2399..2566, 2418..2552, 2505..2567, 2755..2796, 2759..2821, 2760..2819, 2760..2828, 2761..2820, 2817..2894, 3792..3920, 3797..3922, 3800..3919, 3814..3921		

Seq. No.	42683	Seq. ID	OJ000250_91.0405.C58
Gene No.	89037	Strand	-
Start	464	End	3922
Name	OJ000250_91.0405.C58.o2.gp	Method	AAT/GAP
Start	3777	End	3884
GI	2428576	Score	163
Exons	3777..3884		

Seq. No.	42684	Seq. ID	OJ000250_91.0405.C59
Gene No.	89038	Strand	+
Start	201	End	15179
Name	OJ000250_91.0405.C59.o1.np	Method	AAT/NAP
Start	201	End	15179
GI	7484961	Score	196
Exons	201..261, 7488..7781, 9301..9401, 9870..10178, 15152..15179		
GI Descrip.	extensin homolog T9E8.80 - Arabidopsis thaliana gi\|4584539\|emb\|CAB40769.1\| (AL049608) extensin-like protein [Arabidopsis thaliana] gi\|7268037\|emb\|CAB78376.1\| (AL161536) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	42684	Seq. ID	OJ000250_91.0405.C59
Gene No.	89038	Strand	+
Start	201	End	15179
Name	OJ000250_91.0405.C59.o2.gs	Method	GENSCAN
Start	9039	End	10189
GI	none	Score	.53
Exons	9039..9133, 9235..10189		

Seq. No.	42684	Seq. ID	OJ000250_91.0405.C59
Gene No.	89039	Strand	-
Start	160	End	7769
Name	OJ000250_91.0405.C59.o1.gs	Method	GENSCAN
Start	160	End	7769
GI	none	Score	.88
Exons	160..352, 1863..1991, 2226..2288, 2366..2404, 3862..3935, 4627..4685, 4876..4935, 5087..5186, 6585..6678, 6739..6792, 7590..7769		

Seq. No.	42684	Seq. ID	OJ000250_91.0405.C59
Gene No.	89040	Strand	-
Start	11925	End	15145
Name	OJ000250_91.0405.C59.o1.tm	Method	TBLASTX:Maize
Start	1719	End	4708
GI	none	Score	62
Exons	1719..1772, 1720..1773, 1724..1795, 1852..1992, 1862..1999, 1863..2000, 1864..1998, 2075..2128, 2217..2291, 2225..2290, 2365..2412, 2366..2404, 3856..3933, 3859..3936, 4628..4708, 4629..4691, 4630..4692		

Seq. No.	42684	Seq. ID	OJ000250_91.0405.C59
Gene No.	89040	Strand	-
Start	11925	End	15145
Name	OJ000250_91.0405.C59.o1.ts	Method	TBLASTX:Soybean
Start	4628	End	5221
GI	none	Score	127
Exons	4628..4708, 4851..4937, 5080..5220, 5087..5221		

Seq. No.	42684	Seq. ID	OJ000250_91.0405.C59
Gene No.	89040	Strand	-
Start	11925	End	15145
Name	OJ000250_91.0405.C59.o2.tm	Method	TBLASTX:Maize
Start	4875	End	7645
GI	none	Score	98
Exons	4875..4940, 4875..4937, 5080..5220, 5086..5208, 5087..5221, 5855..5914, 5857..5916, 5858..5914, 6580..6681, 6586..6651, 6725..6793, 6739..6795, 6744..6794, 6942..6980, 7549..7638, 7593..7631, 7625..7645		

Seq. No.	42684	Seq. ID	OJ000250_91.0405.C59
Gene No.	89040	Strand	-
Start	11925	End	15145
Name	OJ000250_91.0405.C59.o3.gs	Method	GENSCAN
Start	11925	End	15145
GI	none	Score	.57
Exons	11925..11954, 12085..12185, 14919..14985, 14990..15145		

Seq. No.	42685	Seq. ID	OJ000250_91.0405.C62
Gene No.	89041	Strand	-
Start	1	End	552
Name	OJ000250_91.0405.C62.o1.np	Method	AAT/NAP
Start	1	End	552
GI	2498930	Score	590
Exons	1..321, 489..552		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	42685	Seq. ID	OJ000250_91.0405.C62
Gene No.	89041	Strand	-
Start	1	End	552
Name	OJ000250_91.0405.C62.o1.gs	Method	GENSCAN
Start	19	End	548
GI	none	Score	.89
Exons	19..321, 489..548		

Seq. No.	42686	Seq. ID	OJ000250_91.0405.C64

Gene No.	89042	Strand	-
Start	1	End	708
Name	OJ000250_91.0405.C64.o1.gp	Method	AAT/GAP
Start	1	End	708
GI	215_1.R1084	Score	1368
Exons	1..708		
GI Descrip.	'4158219/emb\|CAA77234\| 0.0e+00 (Y18623) amylogenin [Oryza sativa]'		

Seq. No.	42686	Seq. ID	OJ000250_91.0405.C64
Gene No.	89042	Strand	-
Start	1	End	708
Name	OJ000250_91.0405.C64.o1.tm	Method	TBLASTX:Maize
Start	101	End	707
GI	none	Score	78
Exons	101..253, 105..650, 105..641, 641..706, 641..706, 642..707		

Seq. No.	42686	Seq. ID	OJ000250_91.0405.C64
Gene No.	89042	Strand	-
Start	1	End	708
Name	OJ000250_91.0405.C64.o1.gs	Method	GENSCAN
Start	105	End	632
GI	none	Score	.78
Exons	105..632		

Seq. No.	42686	Seq. ID	OJ000250_91.0405.C64
Gene No.	89042	Strand	-
Start	1	End	708
Name	OJ000250_91.0405.C64.o1.np	Method	AAT/NAP
Start	108	End	708
GI	4158219	Score	1034
Exons	108..708		
GI Descrip.	(Y18623) amylogenin [Oryza sativa]		

Seq. No.	42686	Seq. ID	OJ000250_91.0405.C64
Gene No.	89042	Strand	-
Start	1	End	708
Name	OJ000250_91.0405.C64.o1.ts	Method	TBLASTX:Soybean
Start	126	End	707
GI	none	Score	87
Exons	126..323, 127..324, 318..353, 354..419, 367..393, 409..594, 417..638, 638..706, 642..707		

Seq. No.	42686	Seq. ID	OJ000250_91.0405.C64
Gene No.	89042	Strand	-
Start	1	End	708
Name	OJ000250_91.0405.C64.o1.tc	Method	TBLASTX:Cress
Start	132	End	707
GI	none	Score	66
Exons	132..323, 351..446, 370..447, 435..641, 486..641, 641..706, 642..707		

Seq. No.	42686	Seq. ID	OJ000250_91.0405.C64
Gene No.	89042	Strand	-
Start	1	End	708
Name	OJ000250_91.0405.C64.o1.tw	Method	TBLASTX:Wheat
Start	144	End	588

GI	none	Score	61
Exons	144..323, 351..446, 435..587, 499..588		

Seq. No.	42687	Seq. ID	OJ000350_72.0403.C3
Gene No.	89043	Strand	-
Start	742	End	1338
Name	OJ000350_72.0403.C3.o1.gs	Method	GENSCAN
Start	742	End	1338
GI	none	Score	.72
Exons	742..935, 1317..1338		

Seq. No.	42688	Seq. ID	OJ000350_72.0403.C5
Gene No.	89044	Strand	+
Start	86	End	957
Name	OJ000350_72.0403.C5.o1.gs	Method	GENSCAN
Start	86	End	957
GI	none	Score	.48
Exons	86..384, 748..957		

Seq. No.	42689	Seq. ID	OJ000350_72.0403.C8
Gene No.	89045	Strand	+
Start	495	End	551
Name	OJ000350_72.0403.C8.o1.gs	Method	GENSCAN
Start	495	End	551
GI	none	Score	.48
Exons	495..551		

Seq. No.	42690	Seq. ID	OJ000350_72.0403.C12
Gene No.	89046	Strand	+
Start	1	End	681
Name	OJ000350_72.0403.C12.o1.gp	Method	AAT/GAP
Start	1	End	681
GI	25244_1.R1084	Score	1031
Exons	1..42, 186..681		
GI Descrip.	'2392771/gb\|AAB70034.1\|AAB70034 1.0e-31 (AC002534) putative kinesin-like protein [Arabidopsis thaliana]'		

Seq. No.	42690	Seq. ID	OJ000350_72.0403.C12
Gene No.	89046	Strand	+
Start	1	End	681
Name	OJ000350_72.0403.C12.o1.np	Method	AAT/NAP
Start	1	End	478
GI	5902396	Score	125
Exons	1..92, 191..478		
GI Descrip.	(AC008148) Unknown protein [Arabidopsis thaliana]		

Seq. No.	42690	Seq. ID	OJ000350_72.0403.C12
Gene No.	89046	Strand	+
Start	1	End	681
Name	OJ000350_72.0403.C12.o1.tm	Method	TBLASTX:Maize
Start	2	End	496
GI	none	Score	63
Exons	2..40, 3..41, 164..322, 359..496		

Seq. No.	42690	Seq. ID	OJ000350_72.0403.C12
Gene No.	89046	Strand	+
Start	1	End	681

Name	OJ000350_72.0403.C12.o1.gs	Method	GENSCAN
Start	107	End	478
GI	none	Score	.63
Exons	107..478		

Seq. No.	42690	Seq. ID	OJ000350_72.0403.C12
Gene No.	89046	Strand	+
Start	1	End	681
Name	OJ000350_72.0403.C12.o1.tw	Method	TBLASTX:Wheat
Start	358	End	478
GI	none	Score	192
Exons	358..477, 359..478		

Seq. No.	42691	Seq. ID	OJ000350_72.0403.C14
Gene No.	89047	Strand	+
Start	470	End	1446
Name	OJ000350_72.0403.C14.o1.gs	Method	GENSCAN
Start	470	End	1241
GI	none	Score	.72
Exons	470..565, 661..705, 815..979, 1163..1241		

Seq. No.	42691	Seq. ID	OJ000350_72.0403.C14
Gene No.	89047	Strand	+
Start	470	End	1446
Name	OJ000350_72.0403.C14.o1.tc	Method	TBLASTX:Cress
Start	490	End	1251
GI	none	Score	108
Exons	490..561, 491..565, 491..565, 658..705, 660..701, 809..982, 809..907, 814..993, 1154..1240, 1160..1240, 1162..1251		

Seq. No.	42691	Seq. ID	OJ000350_72.0403.C14
Gene No.	89047	Strand	+
Start	470	End	1446
Name	OJ000350_72.0403.C14.o1.tm	Method	TBLASTX:Maize
Start	490	End	1251
GI	none	Score	118
Exons	490..570, 491..571, 491..571, 635..700, 656..700, 657..701, 658..705, 658..705, 800..964, 809..982, 814..981, 1154..1240, 1162..1251, 1180..1242		

Seq. No.	42691	Seq. ID	OJ000350_72.0403.C14
Gene No.	89047	Strand	+
Start	470	End	1446
Name	OJ000350_72.0403.C14.o1.np	Method	AAT/NAP
Start	491	End	1446
GI	4587610	Score	343
Exons	491..565, 661..705, 815..979, 1163..1241, 1416..1446		
GI Descrip.	(AC006951) putative indole-3-glycerol phosphate synthase [Arabidopsis thaliana]		

Seq. No.	42691	Seq. ID	OJ000350_72.0403.C14
Gene No.	89047	Strand	+
Start	470	End	1446
Name	OJ000350_72.0403.C14.o1.gp	Method	AAT/GAP
Start	799	End	1446
GI	5267_1.R1084	Score	449
Exons	799..979, 1163..1241, 1422..1446		

GI Descrip.	'4587610/gb\|AAD25838.1\|AC006951_17 6.0e-67 (AC006951) putative indole-3-glycerol phosphate synthase precursor [Arabidopsis thaliana]'		
Seq. No.	42691	Seq. ID	OJ000350_72.0403.C14
Gene No.	89047	Strand	+
Start	470	End	1446
Name	OJ000350_72.0403.C14.o1.ts	Method	TBLASTX:Soybean
Start	809	End	1257
GI	none	Score	271
Exons	809..982, 809..952, 814..981, 1154..1240, 1162..1257		
Seq. No.	42692	Seq. ID	OJ000350_72.0403.C15
Gene No.	89048	Strand	+
Start	496	End	758
Name	OJ000350_72.0403.C15.o1.gs	Method	GENSCAN
Start	496	End	758
GI	none	Score	.85
Exons	496..758		
Seq. No.	42692	Seq. ID	OJ000350_72.0403.C15
Gene No.	89049	Strand	+
Start	2999	End	4638
Name	OJ000350_72.0403.C15.o2.gp	Method	AAT/GAP
Start	2527	End	2718
GI	5667165	Score	356
Exons	2527..2718		
GI Descrip.	5670155/gb\|AF161269.1\|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		
Seq. No.	42692	Seq. ID	OJ000350_72.0403.C15
Gene No.	89049	Strand	+
Start	2999	End	4638
Name	OJ000350_72.0403.C15.o2.np	Method	AAT/NAP
Start	2793	End	4638
GI	6907086	Score	1395
Exons	2793..3563, 3621..3791, 4042..4183, 4258..4638		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	42692	Seq. ID	OJ000350_72.0403.C15
Gene No.	89049	Strand	+
Start	2999	End	4638
Name	OJ000350_72.0403.C15.o3.gs	Method	GENSCAN
Start	2999	End	3577
GI	none	Score	1
Exons	2999..3577		
Seq. No.	42692	Seq. ID	OJ000350_72.0403.C15
Gene No.	89050	Strand	-
Start	904	End	1653
Name	OJ000350_72.0403.C15.o1.gp	Method	AAT/GAP
Start	904	End	1396
GI	38782_1.R1084	Score	828
Exons	904..1396		
GI Descrip.	'6069643/dbj\|AP000616.1\|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	42692	Seq. ID	OJ000350_72.0403.C15
Gene No.	89050	Strand	-
Start	904	End	1653
Name	OJ000350_72.0403.C15.o2.gs	Method	GENSCAN
Start	1190	End	1653
GI	none	Score	.95
Exons	1190..1263, 1644..1653		

Seq. No.	42692	Seq. ID	OJ000350_72.0403.C15
Gene No.	89051	Strand	-
Start	9920	End	10432
Name	OJ000350_72.0403.C15.o3.gp	Method	AAT/GAP
Start	9920	End	10432
GI	38782_1.R1084	Score	818
Exons	9920..10432		
GI Descrip.	'6069643/dbj\|AP000616.1\|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	42693	Seq. ID	OJ000350_72.0403.C16
Gene No.	89052	Strand	-
Start	1278	End	1280
Name	OJ000350_72.0403.C16.o1.gs	Method	GENSCAN
Start	1278	End	1280
GI	none	Score	.47
Exons	1278..1280		

Seq. No.	42694	Seq. ID	OJ000350_72.0403.C17
Gene No.	89053	Strand	+
Start	359	End	1904
Name	OJ000350_72.0403.C17.o1.np	Method	AAT/NAP
Start	359	End	1904
GI	7430721	Score	922
Exons	359..1904		
GI Descrip.	cytochrome P450 CYP94A1 - spring vetch gi\|4204095\|gb\|AAD10204.1\| (AF030260) CYP94A1 [Vicia sativa]		

Seq. No.	42694	Seq. ID	OJ000350_72.0403.C17
Gene No.	89054	Strand	+
Start	8108	End	9957
Name	OJ000350_72.0403.C17.o3.gs	Method	GENSCAN
Start	8108	End	9957
GI	none	Score	.57
Exons	8108..8245, 9352..9557, 9798..9957		

Seq. No.	42694	Seq. ID	OJ000350_72.0403.C17
Gene No.	89055	Strand	+
Start	10317	End	16641
Name	OJ000350_72.0403.C17.o4.np	Method	AAT/NAP
Start	10301	End	16641
GI	7430721	Score	949
Exons	10301..11336, 16159..16641		
GI Descrip.	cytochrome P450 CYP94A1 - spring vetch gi\|4204095\|gb\|AAD10204.1\| (AF030260) CYP94A1 [Vicia sativa]		

Seq. No.	42694	Seq. ID	OJ000350_72.0403.C17
Gene No.	89055	Strand	+
Start	10317	End	16641

Name	OJ000350_72.0403.C17.o4.gs	Method	GENSCAN
Start	10317	End	11843
GI	none	Score	.99
Exons	10317..11843		

Seq. No.	42694	Seq. ID	OJ000350_72.0403.C17
Gene No.	89055	Strand	+
Start	10317	End	16641
Name	OJ000350_72.0403.C17.o1.gp	Method	AAT/GAP
Start	15028	End	15460
GI	uC-osrocyp033h04b1	Score	842
Exons	15028..15460		
GI Descrip.	'6091730/gb\|AAF03442.1\|AC010797_18 1.0e-15 (AC010797) putative cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	42694	Seq. ID	OJ000350_72.0403.C17
Gene No.	89055	Strand	+
Start	10317	End	16641
Name	OJ000350_72.0403.C17.o5.gs	Method	GENSCAN
Start	15103	End	16641
GI	none	Score	.93
Exons	15103..16641		

Seq. No.	42694	Seq. ID	OJ000350_72.0403.C17
Gene No.	89056	Strand	+
Start	18722	End	23514
Name	OJ000350_72.0403.C17.o5.np	Method	AAT/NAP
Start	18722	End	21704
GI	2213615	Score	794
Exons	18722..18854, 20295..21704		
GI Descrip.	(AC000103) F21J9.9 [Arabidopsis thaliana]		

Seq. No.	42694	Seq. ID	OJ000350_72.0403.C17
Gene No.	89056	Strand	+
Start	18722	End	23514
Name	OJ000350_72.0403.C17.o7.gs	Method	GENSCAN
Start	20169	End	23514
GI	none	Score	.56
Exons	20169..21686, 22236..22310, 22508..22618, 23063..23221, 23467..23514		

Seq. No.	42694	Seq. ID	OJ000350_72.0403.C17
Gene No.	89057	Strand	+
Start	25004	End	26551
Name	OJ000350_72.0403.C17.o8.gs	Method	GENSCAN
Start	25004	End	26551
GI	none	Score	.93
Exons	25004..26551		

Seq. No.	42694	Seq. ID	OJ000350_72.0403.C17
Gene No.	89058	Strand	-
Start	2605	End	6119
Name	OJ000350_72.0403.C17.o2.np	Method	AAT/NAP
Start	2605	End	4416
GI	6907086	Score	1294
Exons	2605..2953, 3068..3110, 3336..3589, 3647..4416		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	42694	Seq. ID	OJ000350_72.0403.C17
Gene No.	89058	Strand	-
Start	2605	End	6119
Name	OJ000350_72.0403.C17.o3.np	Method	AAT/NAP
Start	3583	End	6119
GI	4680186	Score	181
Exons	3583..3604, 5362..5540, 6041..6119		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	42694	Seq. ID	OJ000350_72.0403.C17
Gene No.	89059	Strand	-
Start	18405	End	26515
Name	OJ000350_72.0403.C17.o5.tm	Method	TBLASTX:Maize
Start	455	End	25255
GI	none	Score	85
Exons	455..511, 456..509, 512..610, 513..611, 819..881, 820..882, 10397..10453, 10398..10454, 10454..10531, 10455..10532, 10458..10532, 10759..10821, 15196..15246, 15246..15359, 15247..15360, 20259..20315, 20259..20315, 20260..20316, 20313..20429, 20316..20429, 20362..20430, 25084..25143, 25085..25141, 25142..25255, 25145..25255		

Seq. No.	42694	Seq. ID	OJ000350_72.0403.C17
Gene No.	89059	Strand	-
Start	18405	End	26515
Name	OJ000350_72.0403.C17.o1.tm	Method	TBLASTX:Maize
Start	611	End	26449
GI	none	Score	176
Exons	611..805, 630..815, 897..1019, 1215..1238, 1260..1406, 1287..1400, 1313..1708, 1410..1679, 1701..1823, 1715..1795, 10533..10679, 10569..10754, 10571..10744, 10836..10958, 11199..11357, 11237..11389, 11267..11515, 11349..11618, 11370..11603, 11549..11647, 11631..11711, 11640..11762, 11663..11734, 15361..15714, 15363..15536, 15814..15891, 15946..15969, 15976..16131, 16017..16130, 16176..16445, 16180..16416, 16438..16560, 16461..16532, 20430..20783, 20430..20546, 20432..20605, 20883..20951, 21060..21224, 21086..21199, 21218..21505, 21219..21476, 21489..21626, 21512..21592, 25258..25434, 25259..25654, 25709..25786, 25782..25826, 25862..26023, 25876..26016, 26072..26305, 26092..26334, 26318..26449, 26318..26416, 26341..26421		

Seq. No.	42694	Seq. ID	OJ000350_72.0403.C17
Gene No.	89059	Strand	-
Start	18405	End	26515
Name	OJ000350_72.0403.C17.o2.tc	Method	TBLASTX:Cress
Start	617	End	25594
GI	none	Score	186
Exons	617..814, 630..815, 10425..10514, 10569..10754, 10580..10753, 15217..15306, 15361..15699, 15379..15555, 20280..20375, 20430..20768, 20430..20546, 20441..20614, 25259..25594, 25259..25594		

Seq. No.	42694	Seq. ID	OJ000350_72.0403.C17
Gene No.	89059	Strand	-
Start	18405	End	26515

Name	OJ000350_72.0403.C17.o1.ts	Method	TBLASTX:Soybean
Start	620	End	26515
GI	none	Score	195
Exons	620..802, 621..830, 900..1019, 1026..1196, 1259..1387, 1260..1400, 1416..1664, 1437..1667, 1442..1672, 1667..1897, 1677..1898, 10559..10741, 10560..10769, 10839..10958, 10965..11093, 11199..11339, 11237..11326, 11355..11606, 11355..11603, 11606..11827, 11616..11837, 15283..15351, 15351..15527, 15352..15618, 15631..15750, 15790..15906, 15957..16130, 15976..16131, 16180..16404, 16180..16410, 16404..16625, 16414..16635, 20355..20420, 20420..20647, 20421..20675, 20693..20779, 20700..20780, 21059..21172, 21060..21200, 21170..21469, 21234..21464, 21464..21613, 21474..21629, 21624..21704, 25246..25428, 25247..25513, 25526..25606, 25534..25662, 25709..25780, 25861..26016, 25862..26017, 26069..26299, 26072..26293, 26303..26515, 26306..26473		

Seq. No.	42694	Seq. ID	OJ000350_72.0403.C17
Gene No.	89059	Strand	-
Start	18405	End	26515
Name	OJ000350_72.0403.C17.o3.tc	Method	TBLASTX:Cress
Start	1020	End	26008
GI	none	Score	103
Exons	1020..1205, 1254..1391, 1256..1387, 10959..11093, 11193..11330, 15751..15906, 15985..16122, 15987..16118, 20820..20954, 21054..21152, 21056..21169, 25685..25780, 25871..26008		

Seq. No.	42694	Seq. ID	OJ000350_72.0403.C17
Gene No.	89059	Strand	-
Start	18405	End	26515
Name	OJ000350_72.0403.C17.o1.tc	Method	TBLASTX:Cress
Start	1406	End	26437
GI	none	Score	263
Exons	1406..1663, 1407..1667, 1676..1798, 1677..1817, 11346..11606, 11384..11602, 11610..11756, 11615..11737, 16182..16400, 16183..16431, 16408..16554, 16413..16526, 21204..21464, 21215..21460, 21468..21668, 21497..21586, 26038..26289, 26039..26293, 26297..26437, 26326..26424		

Seq. No.	42694	Seq. ID	OJ000350_72.0403.C17
Gene No.	89059	Strand	-
Start	18405	End	26515
Name	OJ000350_72.0403.C17.o1.tw	Method	TBLASTX:Wheat
Start	1466	End	26446
GI	none	Score	212
Exons	1466..1672, 1473..1667, 1682..1771, 1683..1820, 1683..1811, 11405..11611, 11412..11606, 11599..11634, 11621..11710, 11622..11759, 11622..11747, 16203..16409, 16210..16404, 16419..16508, 16420..16557, 21263..21469, 21270..21464, 21350..21469, 21457..21492, 21479..21568, 21480..21605, 21510..21605, 26099..26293, 26099..26293, 26309..26446, 26309..26434		

Seq. No.	42694	Seq. ID	OJ000350_72.0403.C17
Gene No.	89059	Strand	-
Start	18405	End	26515

Name	OJ000350_72.0403.C17.o6.gs	Method	GENSCAN
Start	18405	End	19708
GI	none	Score	.71
Exons	18405..18458, 18609..18710, 18715..18929, 19525..19708		

Seq. No.	42694	Seq. ID	OJ000350_72.0403.C17
Gene No.	89059	Strand	-
Start	18405	End	26515
Name	OJ000350_72.0403.C17.o4.tm	Method	TBLASTX:Maize
Start	22378	End	22612
GI	none	Score	221
Exons	22378..22611, 22379..22612		

Seq. No.	42694	Seq. ID	OJ000350_72.0403.C17
Gene No.	89059	Strand	-
Start	18405	End	26515
Name	OJ000350_72.0403.C17.o2.tm	Method	TBLASTX:Maize
Start	22946	End	23225
GI	none	Score	114
Exons	22946..23155, 22946..23155, 22953..23225		

Seq. No.	42694	Seq. ID	OJ000350_72.0403.C17
Gene No.	89059	Strand	-
Start	18405	End	26515
Name	OJ000350_72.0403.C17.o3.tw	Method	TBLASTX:Wheat
Start	22959	End	23303
GI	none	Score	173
Exons	22959..23144, 23259..23303		

Seq. No.	42694	Seq. ID	OJ000350_72.0403.C17
Gene No.	89060	Strand	
Start	27724	End	28189
Name	OJ000350_72.0403.C17.o2.tw	Method	TBLASTX:Wheat
Start	27724	End	28078
GI	none	Score	181
Exons	27724..27849, 27725..27964, 28034..28078		

Seq. No.	42694	Seq. ID	OJ000350_72.0403.C17
Gene No.	89060	Strand	
Start	27724	End	28189
Name	OJ000350_72.0403.C17.o3.tm	Method	TBLASTX:Maize
Start	27895	End	28189
GI	none	Score	187
Exons	27895..28008, 27896..28093, 27938..28072, 27939..28091, 28088..28189		

Seq. No.	42695	Seq. ID	OJ000350_72.0403.C18
Gene No.	89061	Strand	+
Start	2609	End	3975
Name	OJ000350_72.0403.C18.o1.np	Method	AAT/NAP
Start	2609	End	3975
GI	3860263	Score	89
Exons	2609..2826, 3941..3975		
GI Descrip.	(AC005824) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	42695	Seq. ID	OJ000350_72.0403.C18
Gene No.	89062	Strand	-

Start	2376	End	3739
Name	OJ000350_72.0403.C18.o2.gs	Method	GENSCAN
Start	2376	End	3739
GI	none	Score	.8
Exons	2376..2606, 3629..3739		

Seq. No.	42695	Seq. ID	OJ000350_72.0403.C18
Gene No.	89063	Strand	-
Start	3788	End	6068
Name	OJ000350_72.0403.C18.o2.np	Method	AAT/NAP
Start	3788	End	6068
GI	6815107	Score	224
Exons	3788..4676, 6034..6068		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	42695	Seq. ID	OJ000350_72.0403.C18
Gene No.	89063	Strand	-
Start	3788	End	6068
Name	OJ000350_72.0403.C18.o1.tm	Method	TBLASTX:Maize
Start	4352	End	4694
GI	none	Score	61
Exons	4352..4516, 4377..4496, 4508..4675, 4527..4691, 4533..4694		

Seq. No.	42695	Seq. ID	OJ000350_72.0403.C18
Gene No.	89063	Strand	-
Start	3788	End	6068
Name	OJ000350_72.0403.C18.o3.np	Method	AAT/NAP
Start	4364	End	5642
GI	4768986	Score	117
Exons	4364..4668, 5522..5642		
GI Descrip.	(AF140493) hypothetical protein [Oryza sativa]		

Seq. No.	42696	Seq. ID	OJ000350_72.0403.C19
Gene No.	89064	Strand	+
Start	771	End	2180
Name	OJ000350_72.0403.C19.o1.np	Method	AAT/NAP
Start	771	End	2180
GI	5042439	Score	614
Exons	771..895, 1018..1116, 1676..1736, 1827..2180		
GI Descrip.	(AC007789) putative DNA-binding protein [Oryza sativa]		

Seq. No.	42696	Seq. ID	OJ000350_72.0403.C19
Gene No.	89065	Strand	+
Start	2784	End	4399
Name	OJ000350_72.0403.C19.o1.gp	Method	AAT/GAP
Start	2784	End	3277
GI	uC-osflm202102d01b1	Score	976
Exons	2784..3277		
GI Descrip.	'6091730/gb\|AAF03442.1\|AC010797_18 5.0e-24 (AC010797) putative cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	42696	Seq. ID	OJ000350_72.0403.C19
Gene No.	89065	Strand	+
Start	2784	End	4399
Name	OJ000350_72.0403.C19.o2.np	Method	AAT/NAP
Start	2850	End	4399

GI	7430721	Score	960
Exons	2850..3874, 3908..4399		
GI Descrip.	cytochrome P450 CYP94A1 - spring vetch gi\|4204095\|gb\|AAD10204.1\| (AF030260) CYP94A1 [Vicia sativa]		

Seq. No.	42696	Seq. ID	OJ000350_72.0403.C19
Gene No.	89066	Strand	-
Start	4079	End	4554
Name	OJ000350_72.0403.C19.o2.gp	Method	AAT/GAP
Start	4079	End	4554
GI	LIB3432-057-P1-K1-E1	Score	857
Exons	4079..4554		
GI Descrip.	'3860263 3.0e-24 (AC005824) putative cytochrome p450 protein [Arabidopsis thaliana]'		

Seq. No.	42696	Seq. ID	OJ000350_72.0403.C19
Gene No.	89067	Strand	-
Start	5255	End	5629
Name	OJ000350_72.0403.C19.o3.gs	Method	GENSCAN
Start	5255	End	5629
GI	none	Score	.48
Exons	5255..5629		

Seq. No.	42696	Seq. ID	OJ000350_72.0403.C19
Gene No.	89068	Strand	-
Start	7094	End	10958
Name	OJ000350_72.0403.C19.o2.tm	Method	TBLASTX:Maize
Start	2942	End	3112
GI	none	Score	87
Exons	2942..2998, 2942..2998, 2996..3112, 2997..3080, 2999..3112		

Seq. No.	42696	Seq. ID	OJ000350_72.0403.C19
Gene No.	89068	Strand	-
Start	7094	End	10958
Name	OJ000350_72.0403.C19.o1.ts	Method	TBLASTX:Soybean
Start	2948	End	3481
GI	none	Score	543
Exons	2948..3481, 3024..3074, 3106..3318, 3143..3355, 3385..3480		

Seq. No.	42696	Seq. ID	OJ000350_72.0403.C19
Gene No.	89068	Strand	-
Start	7094	End	10958
Name	OJ000350_72.0403.C19.o2.tc	Method	TBLASTX:Cress
Start	2969	End	3451
GI	none	Score	63
Exons	2969..3046, 3113..3451, 3124..3297, 3143..3451		

Seq. No.	42696	Seq. ID	OJ000350_72.0403.C19
Gene No.	89068	Strand	-
Start	7094	End	10958
Name	OJ000350_72.0403.C19.o1.tm	Method	TBLASTX:Maize
Start	3113	End	4300
GI	none	Score	268
Exons	3113..3466, 3115..3288, 3386..3451, 3524..3568, 3551..3607, 3566..3643, 3743..3937, 3769..3906, 3923..4159, 3931..4200, 3935..4171, 4184..4300, 4203..4262, 4207..4287		

Seq. No.	42696	Seq. ID	OJ000350_72.0403.C19
Gene No.	89068	Strand	-
Start	7094	End	10958
Name	OJ000350_72.0403.C19.o3.tc	Method	TBLASTX:Cress
Start	3503	End	3907
GI	none	Score	80
Exons	3503..3637, 3737..3907, 3739..3870		

Seq. No.	42696	Seq. ID	OJ000350_72.0403.C19
Gene No.	89068	Strand	-
Start	7094	End	10958
Name	OJ000350_72.0403.C19.o2.ts	Method	TBLASTX:Soybean
Start	3742	End	4309
GI	none	Score	119
Exons	3742..3885, 3743..3883, 3908..4159, 3929..4159, 3946..4164, 4159..4308, 4169..4309		

Seq. No.	42696	Seq. ID	OJ000350_72.0403.C19
Gene No.	89068	Strand	-
Start	7094	End	10958
Name	OJ000350_72.0403.C19.o1.tc	Method	TBLASTX:Cress
Start	3926	End	4354
GI	none	Score	252
Exons	3926..4159, 3937..4155, 4163..4354, 4192..4281		

Seq. No.	42696	Seq. ID	OJ000350_72.0403.C19
Gene No.	89068	Strand	-
Start	7094	End	10958
Name	OJ000350_72.0403.C19.o1.tw	Method	TBLASTX:Wheat
Start	3958	End	4312
GI	none	Score	220
Exons	3958..4164, 3965..4159, 4174..4263, 4175..4312, 4205..4300		

Seq. No.	42696	Seq. ID	OJ000350_72.0403.C19
Gene No.	89068	Strand	-
Start	7094	End	10958
Name	OJ000350_72.0403.C19.o4.gs	Method	GENSCAN
Start	7094	End	10929
GI	none	Score	.77
Exons	7094..7176, 7199..7469, 9910..10061, 10344..10454, 10731..10929		

Seq. No.	42696	Seq. ID	OJ000350_72.0403.C19
Gene No.	89068	Strand	-
Start	7094	End	10958
Name	OJ000350_72.0403.C19.o3.np	Method	AAT/NAP
Start	7728	End	9108
GI	7228452	Score	185
Exons	7728..7801, 8981..9108		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	42696	Seq. ID	OJ000350_72.0403.C19
Gene No.	89068	Strand	-
Start	7094	End	10958
Name	OJ000350_72.0403.C19.o4.np	Method	AAT/NAP
Start	9880	End	10958
GI	7228451	Score	641
Exons	9880..10061, 10344..10454, 10731..10958		

GI Descrip.	(AP001366) EST AU055734(S20025) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	42697	Seq. ID	OJ000350_72.0403.C25
Gene No.	89069	Strand	-
Start	199	End	320
Name	OJ000350_72.0403.C25.o1.tw	Method	TBLASTX:Wheat
Start	31	End	320
GI	none	Score	254
Exons	31..276, 35..277, 272..319, 282..320, 282..320		
Seq. No.	42697	Seq. ID	OJ000350_72.0403.C25
Gene No.	89069	Strand	-
Start	199	End	320
Name	OJ000350_72.0403.C25.o1.gs	Method	GENSCAN
Start	199	End	305
GI	none	Score	.74
Exons	199..305		
Seq. No.	42698	Seq. ID	OJ000350_72.0403.C26
Gene No.	89070	Strand	+
Start	755	End	1356
Name	OJ000350_72.0403.C26.o1.gp	Method	AAT/GAP
Start	755	End	1356
GI	16007_1.R1084	Score	331
Exons	755..790, 867..928, 1202..1356		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		
Seq. No.	42698	Seq. ID	OJ000350_72.0403.C26
Gene No.	89070	Strand	+
Start	755	End	1356
Name	OJ000350_72.0403.C26.o1.tm	Method	TBLASTX:Maize
Start	865	End	1339
GI	none	Score	89
Exons	865..930, 869..931, 1210..1335, 1211..1339		
Seq. No.	42698	Seq. ID	OJ000350_72.0403.C26
Gene No.	89070	Strand	+
Start	755	End	1356
Name	OJ000350_72.0403.C26.o1.gs	Method	GENSCAN
Start	1202	End	1336
GI	none	Score	.93
Exons	1202..1336		
Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89071	Strand	+
Start	398	End	5068
Name	OJ000350_72.0403.C27.o1.gp	Method	AAT/GAP
Start	398	End	924
GI	16007_1.R1084	Score	777
Exons	398..547, 668..924		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		
Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89071	Strand	+

Start	398	End	5068
Name	OJ000350_72.0403.C27.o1.gs	Method	GENSCAN
Start	398	End	4758
GI	none	Score	.74
Exons	398..547, 1920..2028, 2237..2425, 2786..2900, 2990..3080, 3172..3396, 3504..3629, 3705..3980, 4068..4241, 4347..4525, 4623..4758		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89071	Strand	+
Start	398	End	5068
Name	OJ000350_72.0403.C27.o2.gp	Method	AAT/GAP
Start	2110	End	2900
GI	70618_1.R1084	Score	808
Exons	2110..2425, 2786..2900		
GI Descrip.	'2146728/pir\|\|S65734 4.0e-14 cyclin cyc1b - Arabidopsis thaliana >gi_1360646 (L27223) cyclin [Arabidopsis thaliana]'		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89071	Strand	+
Start	398	End	5068
Name	OJ000350_72.0403.C27.o1.np	Method	AAT/NAP
Start	2836	End	4782
GI	2130119	Score	1074
Exons	2836..2900, 2991..3079, 3183..3396, 3504..3629, 3732..3980, 4068..4241, 4347..4581, 4664..4782		
GI Descrip.	cyclin Ia - maize		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89071	Strand	+
Start	398	End	5068
Name	OJ000350_72.0403.C27.o3.gp	Method	AAT/GAP
Start	4444	End	5068
GI	5055962	Score	934
Exons	4444..4525, 4623..5068		
GI Descrip.	2146728/pir\|\|S65734 4.0e-14 cyclin cyc1b - Arabidopsis thaliana >gi_1360646 (L27223) cyclin [Arabidopsis thaliana]		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89072	Strand	+
Start	14894	End	16085
Name	OJ000350_72.0403.C27.o4.gp	Method	AAT/GAP
Start	14836	End	16085
GI	none	Score	1575
Exons	14836..15020, 15114..15229, 15314..15400, 15536..15694, 15783..16085		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89072	Strand	+
Start	14894	End	16085
Name	OJ000350_72.0403.C27.o4.gs	Method	GENSCAN
Start	14894	End	15923
GI	none	Score	.88
Exons	14894..15020, 15114..15229, 15314..15400, 15536..15694, 15783..15923		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27

Gene No.	89073	Strand	+
Start	18849	End	20660
Name	OJ000350_72.0403.C27.o6.gp	Method	AAT/GAP
Start	18849	End	20660
GI	none	Score	1360
Exons	18849..19112, 20227..20660		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89074	Strand	-
Start	5399	End	8270
Name	OJ000350_72.0403.C27.o2.gs	Method	GENSCAN
Start	5399	End	8270
GI	none	Score	.88
Exons	5399..6212, 6886..6943, 7724..8270		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89074	Strand	-
Start	5399	End	8270
Name	OJ000350_72.0403.C27.o2.np	Method	AAT/NAP
Start	5402	End	8263
GI	7433896	Score	839
Exons	5402..6253, 7719..8263		
GI Descrip.	indole-3-acetate beta-glucosyltransferase homolog T27E13.12 - Arabidopsis thaliana gi\|3150406\|gb\|AAC16958.1\| (AC004165) putative glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89075	Strand	-
Start	9491	End	14650
Name	OJ000350_72.0403.C27.o3.gs	Method	GENSCAN
Start	9491	End	14650
GI	none	Score	.77
Exons	9491..10407, 12137..12683, 13585..13755, 13875..14191, 14320..14650		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89076	Strand	-
Start	17195	End	19750
Name	OJ000350_72.0403.C27.o3.np	Method	AAT/NAP
Start	17195	End	19750
GI	7487274	Score	776
Exons	17195..18440, 19685..19750		
GI Descrip.	hypothetical protein T20K18.50 - Arabidopsis thaliana gi\|4586246\|emb\|CAB40987.1\| (AL049640) putative protein [Arabidopsis thaliana] gi\|7267971\|emb\|CAB78312.1\| (AL161534) putative protein [Arabidopsis thaliana]		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89076	Strand	-
Start	17195	End	19750
Name	OJ000350_72.0403.C27.o5.gp	Method	AAT/GAP
Start	17528	End	18030
GI	uC-osrocyp009g08b1	Score	859
Exons	17528..18030		
GI Descrip.	'4586246/emb\|CAB40987.1\| 2.0e-34 (AL049640) putative protein [Arabidopsis thaliana]'		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89077	Strand	-
Start	21113	End	24678
Name	OJ000350_72.0403.C27.o10.tm	Method	TBLASTX:Maize
Start	387	End	873
GI	none	Score	244
Exons	387..566, 392..553, 635..694, 773..808, 829..873		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89077	Strand	-
Start	21113	End	24678
Name	OJ000350_72.0403.C27.o2.tc	Method	TBLASTX:Cress
Start	3316	End	4526
GI	none	Score	63
Exons	3316..3432, 3501..3629, 3502..3627, 3705..3983, 3734..3985, 4064..4195, 4065..4208, 4406..4510, 4413..4526		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89077	Strand	-
Start	21113	End	24678
Name	OJ000350_72.0403.C27.o1.tm	Method	TBLASTX:Maize
Start	3501	End	4839
GI	none	Score	148
Exons	3501..3629, 3501..3629, 3705..3995, 3734..3982, 4065..4208, 4065..4205, 4067..4216, 4067..4261, 4344..4520, 4344..4520, 4345..4530, 4659..4757, 4660..4740, 4661..4741, 4806..4838, 4807..4839		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89077	Strand	-
Start	21113	End	24678
Name	OJ000350_72.0403.C27.o1.ts	Method	TBLASTX:Soybean
Start	3528	End	4772
GI	none	Score	109
Exons	3528..3629, 3547..3633, 3749..3982, 3750..3995, 4065..4244, 4067..4174, 4344..4394, 4345..4389, 4406..4501, 4409..4522, 4413..4523, 4654..4749, 4659..4772		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89077	Strand	-
Start	21113	End	24678
Name	OJ000350_72.0403.C27.o2.tw	Method	TBLASTX:Wheat
Start	5540	End	9937
GI	none	Score	113
Exons	5540..5806, 5616..5774, 5852..5893, 9737..9937, 9755..9838, 9849..9935		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89077	Strand	-
Start	21113	End	24678
Name	OJ000350_72.0403.C27.o4.ts	Method	TBLASTX:Soybean
Start	5567	End	12362
GI	none	Score	189
Exons	5567..5812, 5619..5810, 5624..5812, 5816..5998, 5874..5987, 6044..6217, 6057..6191, 7782..7874, 9746..9973, 9849..9974, 9968..10114, 10157..10324, 12168..12362, 12210..12332		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89077	Strand	-
Start	21113	End	24678
Name	OJ000350_72.0403.C27.o3.tm	Method	TBLASTX:Maize
Start	5624	End	10126
GI	none	Score	474
Exons	5624..5998, 5625..5999, 5650..6000, 9752..9937, 9849..9938, 9908..10114, 9971..10126		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89077	Strand	-
Start	21113	End	24678
Name	OJ000350_72.0403.C27.o6.tc	Method	TBLASTX:Cress
Start	5630	End	10267
GI	none	Score	78
Exons	5630..5791, 5664..5780, 5843..5908, 5853..5993, 6020..6085, 9803..9964, 9980..10147, 10169..10198, 10211..10267		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89077	Strand	-
Start	21113	End	24678
Name	OJ000350_72.0403.C27.o8.tm	Method	TBLASTX:Maize
Start	6023	End	10366
GI	none	Score	254
Exons	6023..6298, 6042..6293, 6043..6300, 10154..10366		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89077	Strand	-
Start	21113	End	24678
Name	OJ000350_72.0403.C27.o4.tc	Method	TBLASTX:Cress
Start	7770	End	12615
GI	none	Score	103
Exons	7770..7910, 7962..8129, 7966..8130, 8142..8219, 8143..8223, 12201..12299, 12204..12284, 12285..12449, 12355..12477, 12477..12611, 12562..12615		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89077	Strand	-
Start	21113	End	24678
Name	OJ000350_72.0403.C27.o9.tm	Method	TBLASTX:Maize
Start	7962	End	12608
GI	none	Score	138
Exons	7962..8075, 7963..8079, 8035..8223, 8109..8240, 8139..8240, 12342..12434, 12343..12459, 12438..12497, 12489..12515, 12534..12608, 12562..12603		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89077	Strand	-
Start	21113	End	24678
Name	OJ000350_72.0403.C27.o1.tc	Method	TBLASTX:Cress
Start	13549	End	14426
GI	none	Score	166
Exons	13549..13749, 13592..13750, 13875..14192, 13936..14193, 13943..14218, 14318..14422, 14319..14426		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89077	Strand	-

Start	21113	End	24678
Name	OJ000350_72.0403.C27.o8.ts	Method	TBLASTX:Soybean
Start	13567	End	13750
GI	none	Score	158
Exons	13567..13749, 13583..13750		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89077	Strand	-
Start	21113	End	24678
Name	OJ000350_72.0403.C27.o2.ts	Method	TBLASTX:Soybean
Start	13893	End	14441
GI	none	Score	67
Exons	13893..14192, 13905..14192, 13936..14193, 14318..14425, 14319..14441		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89077	Strand	-
Start	21113	End	24678
Name	OJ000350_72.0403.C27.o6.ts	Method	TBLASTX:Soybean
Start	15313	End	15869
GI	none	Score	229
Exons	15313..15417, 15517..15693, 15527..15694, 15533..15694, 15774..15869		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89077	Strand	-
Start	21113	End	24678
Name	OJ000350_72.0403.C27.o7.tm	Method	TBLASTX:Maize
Start	15316	End	15825
GI	none	Score	256
Exons	15316..15411, 15533..15694, 15533..15694, 15781..15825		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89077	Strand	-
Start	21113	End	24678
Name	OJ000350_72.0403.C27.o4.tm	Method	TBLASTX:Maize
Start	17319	End	18372
GI	none	Score	61
Exons	17319..17414, 17547..17618, 17547..18092, 17655..17726, 17656..17910, 18025..18096, 18135..18245, 18160..18246, 18247..18372, 18249..18371		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89077	Strand	-
Start	21113	End	24678
Name	OJ000350_72.0403.C27.o5.ts	Method	TBLASTX:Soybean
Start	17547	End	18026
GI	none	Score	106
Exons	17547..17909, 17650..17775, 17679..17909, 17809..17910, 17904..18026		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89077	Strand	-
Start	21113	End	24678
Name	OJ000350_72.0403.C27.o7.tc	Method	TBLASTX:Cress
Start	17946	End	18254
GI	none	Score	63

Exons	17946..18092, 18135..18254		
Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89077	Strand	-
Start	21113	End	24678
Name	OJ000350_72.0403.C27.o6.tm	Method	TBLASTX:Maize
Start	18853	End	20526
GI	none	Score	137
Exons	18853..18912, 18862..18978, 18869..19003, 18869..18916, 18970..19011, 20223..20492, 20225..20524, 20227..20526		
Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89077	Strand	-
Start	21113	End	24678
Name	OJ000350_72.0403.C27.o7.ts	Method	TBLASTX:Soybean
Start	20264	End	20453
GI	none	Score	233
Exons	20264..20452, 20271..20453		
Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89077	Strand	-
Start	21113	End	24678
Name	OJ000350_72.0403.C27.o5.tc	Method	TBLASTX:Cress
Start	20274	End	20474
GI	none	Score	246
Exons	20274..20474, 20285..20443, 20292..20456		
Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89077	Strand	-
Start	21113	End	24678
Name	OJ000350_72.0403.C27.o3.ts	Method	TBLASTX:Soybean
Start	21113	End	22398
GI	none	Score	114
Exons	21113..21340, 21126..21338, 21347..21577, 21384..21530, 21407..21574, 21614..21727, 21615..21728, 22033..22113, 22126..22398, 22211..22384		
Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89077	Strand	-
Start	21113	End	24678
Name	OJ000350_72.0403.C27.o4.np	Method	AAT/NAP
Start	21113	End	22614
GI	3860263	Score	883
Exons	21113..22614		
GI Descrip.	(AC005824) putative cytochrome P450 [Arabidopsis thaliana]		
Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89077	Strand	-
Start	21113	End	24678
Name	OJ000350_72.0403.C27.o5.tm	Method	TBLASTX:Maize
Start	21191	End	22116
GI	none	Score	97
Exons	21191..21313, 21219..21299, 21236..21322, 21335..21574, 21413..21574, 21423..21653, 21563..21727, 21615..21728, 22030..22116		
Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27

Gene No.	89077	Strand	-
Start	21113	End	24678
Name	OJ000350_72.0403.C27.o1.tw	Method	TBLASTX:Wheat
Start	21194	End	21541
GI	none	Score	94
Exons	21194..21340, 21243..21332, 21338..21541, 21384..21530, 21407..21541		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89077	Strand	-
Start	21113	End	24678
Name	OJ000350_72.0403.C27.o3.tc	Method	TBLASTX:Cress
Start	21212	End	22542
GI	none	Score	87
Exons	21212..21325, 21335..21472, 21494..21574, 21563..21739, 21612..21728, 22030..22383, 22211..22372, 22456..22542		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89077	Strand	-
Start	21113	End	24678
Name	OJ000350_72.0403.C27.o2.tm	Method	TBLASTX:Maize
Start	22131	End	22555
GI	none	Score	173
Exons	22131..22295, 22132..22254, 22132..22422, 22193..22411, 22403..22504, 22405..22503, 22505..22555, 22507..22554		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89077	Strand	-
Start	21113	End	24678
Name	OJ000350_72.0403.C27.o5.np	Method	AAT/NAP
Start	22350	End	24153
GI	7488885	Score	182
Exons	22350..22622, 23570..24153		
GI Descrip.	extensin-like protein 127 - cowpea (fragment) gi\|791146\|emb\|CAA60020.1\| (X86028) extensin-like protein [Vigna unguiculata]		

Seq. No.	42699	Seq. ID	OJ000350_72.0403.C27
Gene No.	89077	Strand	-
Start	21113	End	24678
Name	OJ000350_72.0403.C27.o6.gs	Method	GENSCAN
Start	23636	End	24678
GI	none	Score	.48
Exons	23636..24243, 24534..24678		

Seq. No.	42700	Seq. ID	OJ000350_72.0403.C29
Gene No.	89078	Strand	-
Start	44	End	251
Name	OJ000350_72.0403.C29.o1.gs	Method	GENSCAN
Start	44	End	251
GI	none	Score	.73
Exons	44..160, 166..251		

Seq. No.	42701	Seq. ID	OJ000350_72.0403.C30
Gene No.	89079	Strand	+
Start	398	End	589
Name	OJ000350_72.0403.C30.o1.gs	Method	GENSCAN

Start	398	End	589
GI	none	Score	.76
Exons	398..589		

Seq. No.	42702	Seq. ID	OJ000350_72.0403.C32
Gene No.	89080	Strand	-
Start	1	End	630
Name	OJ000350_72.0403.C32.o1.np	Method	AAT/NAP
Start	1	End	630
GI	5922634	Score	136
Exons	1..56, 527..630		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016867\|dbj\|BAA85210.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	42702	Seq. ID	OJ000350_72.0403.C32
Gene No.	89081	Strand	-
Start	531	End	620
Name	OJ000350_72.0403.C32.o1.gs	Method	GENSCAN
Start	531	End	620
GI	none	Score	.63
Exons	531..620		

Seq. No.	42703	Seq. ID	OJ000350_72.0403.C37
Gene No.	89082	Strand	-
Start	1	End	422
Name	OJ000350_72.0403.C37.o1.np	Method	AAT/NAP
Start	1	End	422
GI	6907088	Score	322
Exons	1..109, 285..422		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	42704	Seq. ID	OJ000350_72.0403.C39
Gene No.	89083	Strand	+
Start	10	End	443
Name	OJ000350_72.0403.C39.o1.gs	Method	GENSCAN
Start	10	End	443
GI	none	Score	.76
Exons	10..62, 401..443		

Seq. No.	42705	Seq. ID	OJ000350_72.0403.C42
Gene No.	89084	Strand	-
Start	499	End	673
Name	OJ000350_72.0403.C42.o1.gs	Method	GENSCAN
Start	499	End	673
GI	none	Score	.6
Exons	499..673		

Seq. No.	42706	Seq. ID	OJ000350_72.0403.C51
Gene No.	89085	Strand	-
Start	434	End	685
Name	OJ000350_72.0403.C51.o1.gs	Method	GENSCAN
Start	434	End	685
GI	none	Score	.54
Exons	434..685		

Seq. No.	42707	Seq. ID	OJ000350_72.0403.C52

Gene No.	89086	Strand	+
Start	195	End	398
Name	OJ000350_72.0403.C52.o1.gs	Method	GENSCAN
Start	195	End	398
GI	none	Score	.98
Exons	195..398		

Seq. No.	42707	Seq. ID	OJ000350_72.0403.C52
Gene No.	89087	Strand	-
Start	1559	End	2542
Name	OJ000350_72.0403.C52.o2.gs	Method	GENSCAN
Start	1559	End	2542
GI	none	Score	.65
Exons	1559..1584, 1906..2141, 2443..2542		

Seq. No.	42708	Seq. ID	OJ000350_72.0403.C53
Gene No.	89088	Strand	-
Start	545	End	631
Name	OJ000350_72.0403.C53.o1.gs	Method	GENSCAN
Start	545	End	631
GI	none	Score	.76
Exons	545..631		

Seq. No.	42709	Seq. ID	OJ000350_72.0403.C55
Gene No.	89089	Strand	+
Start	52	End	1466
Name	OJ000350_72.0403.C55.o1.gs	Method	GENSCAN
Start	52	End	1187
GI	none	Score	.62
Exons	52..222, 316..890, 1046..1187		

Seq. No.	42709	Seq. ID	OJ000350_72.0403.C55
Gene No.	89089	Strand	+
Start	52	End	1466
Name	OJ000350_72.0403.C55.o1.tm	Method	TBLASTX:Maize
Start	100	End	596
GI	none	Score	77
Exons	100..141, 141..218, 141..221, 175..240, 181..225, 313..426, 313..372, 315..491, 372..554, 423..563, 424..570, 561..596		

Seq. No.	42709	Seq. ID	OJ000350_72.0403.C55
Gene No.	89089	Strand	+
Start	52	End	1466
Name	OJ000350_72.0403.C55.o1.gp	Method	AAT/GAP
Start	652	End	1466
GI	6062504	Score	1180
Exons	652..890, 1046..1466		

Seq. No.	42710	Seq. ID	OJ000350_72.0403.C59
Gene No.	89090	Strand	+
Start	560	End	1249
Name	OJ000350_72.0403.C59.o1.np	Method	AAT/NAP
Start	560	End	1249
GI	6983857	Score	878
Exons	560..676, 739..1249		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	42710	Seq. ID	OJ000350_72.0403.C59
Gene No.	89090	Strand	+
Start	560	End	1249
Name	OJ000350_72.0403.C59.o1.gs	Method	GENSCAN
Start	785	End	1159
GI	none	Score	.72
Exons	785..1159		

Seq. No.	42711	Seq. ID	OJ000350_61.0410.C1
Gene No.	89091	Strand	+
Start	927	End	1156
Name	OJ000350_61.0410.C1.o1.gp	Method	AAT/GAP
Start	927	End	1156
GI	31877_1.R1084	Score	404
Exons	927..1156		
GI Descrip.	'4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	42712	Seq. ID	OJ000350_61.0410.C2
Gene No.	89092	Strand	
Start	2170	End	2328
Name	OJ000350_61.0410.C2.o1.tm	Method	TBLASTX:Maize
Start	2170	End	2328
GI	none	Score	177
Exons	2170..2328, 2180..2326		

Seq. No.	42713	Seq. ID	OJ000350_61.0410.C3
Gene No.	89093	Strand	-
Start	1	End	256
Name	OJ000350_61.0410.C3.o1.gp	Method	AAT/GAP
Start	1	End	256
GI	none	Score	276
Exons	1..102, 205..256		

Seq. No.	42713	Seq. ID	OJ000350_61.0410.C3
Gene No.	89094	Strand	-
Start	4492	End	4624
Name	OJ000350_61.0410.C3.o2.gp	Method	AAT/GAP
Start	4492	End	4624
GI	none	Score	223
Exons	4492..4624		

Seq. No.	42713	Seq. ID	OJ000350_61.0410.C3
Gene No.	89095	Strand	-
Start	5948	End	6236
Name	OJ000350_61.0410.C3.o3.gp	Method	AAT/GAP
Start	5948	End	6236
GI	426253	Score	530
Exons	5948..6236		

Seq. No.	42713	Seq. ID	OJ000350_61.0410.C3
Gene No.	89096	Strand	-
Start	14006	End	14273
Name	OJ000350_61.0410.C3.o4.gp	Method	AAT/GAP
Start	14006	End	14273
GI	568443	Score	492
Exons	14006..14273		

Seq. No.	42713	Seq. ID	OJ000350_61.0410.C3
Gene No.	89097	Strand	-
Start	37020	End	37168
Name	OJ000350_61.0410.C3.o2.tm	Method	TBLASTX:Maize
Start	1	End	378
GI	none	Score	131
Exons	1..120, 2..121, 200..370, 201..260, 244..369, 306..377, 307..378		

Seq. No.	42713	Seq. ID	OJ000350_61.0410.C3
Gene No.	89097	Strand	-
Start	37020	End	37168
Name	OJ000350_61.0410.C3.o3.ts	Method	TBLASTX:Soybean
Start	1	End	575
GI	none	Score	87
Exons	1..69, 200..382, 247..381, 492..575, 493..573		

Seq. No.	42713	Seq. ID	OJ000350_61.0410.C3
Gene No.	89097	Strand	-
Start	37020	End	37168
Name	OJ000350_61.0410.C3.o1.tc	Method	TBLASTX:Cress
Start	280	End	734
GI	none	Score	67
Exons	280..366, 310..363, 495..734, 601..729		

Seq. No.	42713	Seq. ID	OJ000350_61.0410.C3
Gene No.	89097	Strand	-
Start	37020	End	37168
Name	OJ000350_61.0410.C3.o1.ts	Method	TBLASTX:Soybean
Start	672	End	4593
GI	none	Score	145
Exons	672..743, 4210..4275, 4273..4593, 4307..4585		

Seq. No.	42713	Seq. ID	OJ000350_61.0410.C3
Gene No.	89097	Strand	-
Start	37020	End	37168
Name	OJ000350_61.0410.C3.o5.tm	Method	TBLASTX:Maize
Start	4201	End	4609
GI	none	Score	172
Exons	4201..4266, 4261..4350, 4351..4404, 4402..4599, 4403..4609		

Seq. No.	42713	Seq. ID	OJ000350_61.0410.C3
Gene No.	89097	Strand	-
Start	37020	End	37168
Name	OJ000350_61.0410.C3.o7.tm	Method	TBLASTX:Maize
Start	16469	End	16726
GI	none	Score	67
Exons	16469..16594, 16478..16567, 16479..16607, 16492..16668, 16494..16607, 16587..16697, 16602..16694, 16606..16695, 16607..16726		

Seq. No.	42713	Seq. ID	OJ000350_61.0410.C3
Gene No.	89097	Strand	-
Start	37020	End	37168
Name	OJ000350_61.0410.C3.o6.tm	Method	TBLASTX:Maize
Start	19828	End	21216
GI	none	Score	73

Exons	19828..19899, 19832..19879, 20698..20805, 20718..20846, 20718..20846, 20726..20848, 20899..21018, 20923..21012, 20924..21022, 20990..21022, 21139..21216, 21141..21212		
Seq. No.	42713	Seq. ID	OJ000350_61.0410.C3
Gene No.	89097	Strand	-
Start	37020	End	37168
Name	OJ000350_61.0410.C3.o6.tw	Method	TBLASTX:Wheat
Start	20698	End	21216
GI	none	Score	128
Exons	20698..20805, 20709..20861, 20721..20846, 20732..20851, 20911..21021, 20924..21022, 20932..21012, 20990..21022, 21139..21216, 21141..21215		
Seq. No.	42713	Seq. ID	OJ000350_61.0410.C3
Gene No.	89097	Strand	-
Start	37020	End	37168
Name	OJ000350_61.0410.C3.o9.tw	Method	TBLASTX:Wheat
Start	24256	End	24653
GI	none	Score	59
Exons	24256..24306, 24307..24420, 24318..24368, 24379..24480, 24455..24604, 24477..24653		
Seq. No.	42713	Seq. ID	OJ000350_61.0410.C3
Gene No.	89097	Strand	-
Start	37020	End	37168
Name	OJ000350_61.0410.C3.o4.tw	Method	TBLASTX:Wheat
Start	25304	End	25759
GI	none	Score	133
Exons	25304..25486, 25312..25413, 25523..25759, 25525..25749		
Seq. No.	42713	Seq. ID	OJ000350_61.0410.C3
Gene No.	89097	Strand	-
Start	37020	End	37168
Name	OJ000350_61.0410.C3.o1.tw	Method	TBLASTX:Wheat
Start	25979	End	26409
GI	none	Score	410
Exons	25979..26317, 25980..26318, 26320..26409, 26322..26408		
Seq. No.	42713	Seq. ID	OJ000350_61.0410.C3
Gene No.	89097	Strand	-
Start	37020	End	37168
Name	OJ000350_61.0410.C3.o1.tm	Method	TBLASTX:Maize
Start	26082	End	26439
GI	none	Score	268
Exons	26082..26315, 26123..26314, 26322..26438, 26323..26439		
Seq. No.	42713	Seq. ID	OJ000350_61.0410.C3
Gene No.	89097	Strand	-
Start	37020	End	37168
Name	OJ000350_61.0410.C3.o3.tm	Method	TBLASTX:Maize
Start	26467	End	26850
GI	none	Score	322
Exons	26467..26850, 26571..26849		
Seq. No.	42713	Seq. ID	OJ000350_61.0410.C3
Gene No.	89097	Strand	-

Start	37020	End	37168
Name	OJ000350_61.0410.C3.o2.tw	Method	TBLASTX:Wheat
Start	26523	End	26948
GI	none	Score	171
Exons	26523..26915, 26524..26946, 26527..26928, 26571..26948		

Seq. No.	42713	Seq. ID	OJ000350_61.0410.C3
Gene No.	89097	Strand	-
Start	37020	End	37168
Name	OJ000350_61.0410.C3.o2.ts	Method	TBLASTX:Soybean
Start	26578	End	27003
GI	none	Score	315
Exons	26578..27003, 26604..26762		

Seq. No.	42713	Seq. ID	OJ000350_61.0410.C3
Gene No.	89097	Strand	-
Start	37020	End	37168
Name	OJ000350_61.0410.C3.o7.tw	Method	TBLASTX:Wheat
Start	27093	End	27503
GI	none	Score	181
Exons	27093..27293, 27094..27291, 27297..27320, 27330..27503		

Seq. No.	42713	Seq. ID	OJ000350_61.0410.C3
Gene No.	89097	Strand	-
Start	37020	End	37168
Name	OJ000350_61.0410.C3.o8.tw	Method	TBLASTX:Wheat
Start	27506	End	27800
GI	none	Score	218
Exons	27506..27796, 27507..27800		

Seq. No.	42713	Seq. ID	OJ000350_61.0410.C3
Gene No.	89097	Strand	-
Start	37020	End	37168
Name	OJ000350_61.0410.C3.o4.tm	Method	TBLASTX:Maize
Start	28004	End	28309
GI	none	Score	321
Exons	28004..28309, 28021..28308		

Seq. No.	42713	Seq. ID	OJ000350_61.0410.C3
Gene No.	89097	Strand	-
Start	37020	End	37168
Name	OJ000350_61.0410.C3.o5.tw	Method	TBLASTX:Wheat
Start	28004	End	28387
GI	none	Score	332
Exons	28004..28387, 28240..28386		

Seq. No.	42713	Seq. ID	OJ000350_61.0410.C3
Gene No.	89097	Strand	-
Start	37020	End	37168
Name	OJ000350_61.0410.C3.o3.tw	Method	TBLASTX:Wheat
Start	28511	End	29119
GI	none	Score	368
Exons	28511..28963, 28516..28614, 28690..28767, 28988..29119, 28993..29118		

Seq. No.	42713	Seq. ID	OJ000350_61.0410.C3
Gene No.	89097	Strand	-

Start	37020	End	37168
Name	OJ000350_61.0410.C3.o8.tm	Method	TBLASTX:Maize
Start	28733	End	28996
GI	none	Score	187
Exons	28733..28996		

Seq. No.	42713	Seq. ID	OJ000350_61.0410.C3
Gene No.	89097	Strand	-
Start	37020	End	37168
Name	OJ000350_61.0410.C3.o5.gp	Method	AAT/GAP
Start	37020	End	37168
GI	uC-osflcyp001c04b2	Score	230
Exons	37020..37168		
GI Descrip.	'6041757/gb\|AC011806.1\|AC011806 2.0e-34 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	42714	Seq. ID	OJ000350_61.0410.C4
Gene No.	89098	Strand	-
Start	28	End	176
Name	OJ000350_61.0410.C4.o1.gp	Method	AAT/GAP
Start	28	End	176
GI	uC-osflcyp001c04b2	Score	230
Exons	28..176		
GI Descrip.	'6041757/gb\|AC011806.1\|AC011806 2.0e-34 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89099	Strand	+
Start	18051	End	18218
Name	OJ000350_61.0410.C5.o2.gp	Method	AAT/GAP
Start	18051	End	18218
GI	23897_1.R1084	Score	257
Exons	18051..18218		
GI Descrip.	'5441876/dbj\|AP000367.1\|AP000367 5.0e-58 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89100	Strand	+
Start	29592	End	29839
Name	OJ000350_61.0410.C5.o5.gp	Method	AAT/GAP
Start	29592	End	29839
GI	101153_1.R1084	Score	318
Exons	29592..29839		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89101	Strand	-
Start	3035	End	4552
Name	OJ000350_61.0410.C5.o1.gp	Method	AAT/GAP
Start	3035	End	4552
GI	LIB3432-057-P1-K1-E10	Score	805
Exons	3035..3187, 3765..3925, 4427..4552		
GI Descrip.	'6056190/gb\|AAF02807.1\|AC009400_3 3.0e-61 (AC009400) putative glycerol-3-phosphate dehydrogenase [Arabidopsis thaliana]'		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89102	Strand	-
Start	21335	End	21674
Name	OJ000350_61.0410.C5.o3.gp	Method	AAT/GAP
Start	21335	End	21674
GI	25792_1.R1084	Score	632
Exons	21335..21674		
GI Descrip.	'4512233/dbj\|AB014743.1\|AB014743 0.0e+00 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence'		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89103	Strand	-
Start	21849	End	22234
Name	OJ000350_61.0410.C5.o1.tc	Method	TBLASTX:Cress
Start	1408	End	3034
GI	none	Score	348
Exons	1408..1746, 1454..1747, 1458..1751, 2929..3033, 2933..3034		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89103	Strand	-
Start	21849	End	22234
Name	OJ000350_61.0410.C5.o1.ts	Method	TBLASTX:Soybean
Start	1453	End	3910
GI	none	Score	297
Exons	1453..1749, 1454..1753, 1460..1756, 1587..1757, 2929..3189, 2929..3189, 2933..3190, 3744..3908, 3765..3908, 3767..3910, 3785..3910		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89103	Strand	-
Start	21849	End	22234
Name	OJ000350_61.0410.C5.o6.tm	Method	TBLASTX:Maize
Start	1555	End	3028
GI	none	Score	266
Exons	1555..1749, 1556..1750, 1556..1759, 1566..1781, 1567..1767, 2929..3027, 2930..3028		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89103	Strand	-
Start	21849	End	22234
Name	OJ000350_61.0410.C5.o3.tc	Method	TBLASTX:Cress
Start	4463	End	5893
GI	none	Score	221
Exons	4463..4777, 4463..4765, 4540..4776, 5816..5893		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89103	Strand	-
Start	21849	End	22234
Name	OJ000350_61.0410.C5.o4.ts	Method	TBLASTX:Soybean
Start	14498	End	14897
GI	none	Score	143
Exons	14498..14896, 14751..14897		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89103	Strand	-
Start	21849	End	22234

Name	OJ000350_61.0410.C5.o2.tm	Method	TBLASTX:Maize
Start	14510	End	15067
GI	none	Score	76
Exons	14510..14896, 14511..14639, 14742..14897, 14930..14974, 14975..15067		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89103	Strand	-
Start	21849	End	22234
Name	OJ000350_61.0410.C5.o4.gp	Method	AAT/GAP
Start	21849	End	22234
GI	2312718	Score	740
Exons	21849..22234		
GI Descrip.	4512233/dbj\|AB014743.1\|AB014743 1.0e-176 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89104	Strand	
Start	22161	End	22339
Name	OJ000350_61.0410.C5.o10.tm	Method	TBLASTX:Maize
Start	22161	End	22339
GI	none	Score	148
Exons	22161..22334, 22163..22330, 22163..22339		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89105	Strand	
Start	22341	End	23351
Name	OJ000350_61.0410.C5.o5.tm	Method	TBLASTX:Maize
Start	22341	End	22615
GI	none	Score	287
Exons	22341..22613, 22342..22608, 22343..22615		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89105	Strand	
Start	22341	End	23351
Name	OJ000350_61.0410.C5.o3.tw	Method	TBLASTX:Wheat
Start	22382	End	22780
GI	none	Score	456
Exons	22382..22780, 22388..22756, 22389..22778		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89105	Strand	
Start	22341	End	23351
Name	OJ000350_61.0410.C5.o11.tm	Method	TBLASTX:Maize
Start	22619	End	22912
GI	none	Score	219
Exons	22619..22912		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89105	Strand	
Start	22341	End	23351
Name	OJ000350_61.0410.C5.o5.tw	Method	TBLASTX:Wheat
Start	22811	End	23170
GI	none	Score	210
Exons	22811..23170, 22817..23128, 22821..23165, 22822..23166		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5

Gene No.	89105	Strand	
Start	22341	End	23351
Name	OJ000350_61.0410.C5.o8.ts	Method	TBLASTX:Soybean
Start	22847	End	23122
GI	none	Score	56
Exons	22847..23002, 22847..23029, 23042..23116, 23057..23122		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89105	Strand	
Start	22341	End	23351
Name	OJ000350_61.0410.C5.o1.tm	Method	TBLASTX:Maize
Start	22915	End	23264
GI	none	Score	364
Exons	22915..23079, 22919..23263, 22920..23264		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89105	Strand	
Start	22341	End	23351
Name	OJ000350_61.0410.C5.o2.tc	Method	TBLASTX:Cress
Start	22982	End	23351
GI	none	Score	262
Exons	22982..23344, 22983..23351		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89106	Strand	
Start	23296	End	23723
Name	OJ000350_61.0410.C5.o1.tw	Method	TBLASTX:Wheat
Start	23296	End	23723
GI	none	Score	532
Exons	23296..23541, 23297..23722, 23298..23723		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89106	Strand	
Start	23296	End	23723
Name	OJ000350_61.0410.C5.o12.tm	Method	TBLASTX:Maize
Start	23354	End	23518
GI	none	Score	87
Exons	23354..23512, 23354..23518, 23355..23516		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89106	Strand	
Start	23296	End	23723
Name	OJ000350_61.0410.C5.o7.ts	Method	TBLASTX:Soybean
Start	23439	End	23638
GI	none	Score	57
Exons	23439..23528, 23444..23530, 23526..23624, 23534..23638		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89107	Strand	
Start	23643	End	24283
Name	OJ000350_61.0410.C5.o2.ts	Method	TBLASTX:Soybean
Start	23643	End	23899
GI	none	Score	207
Exons	23643..23873, 23643..23843, 23645..23899, 23660..23896		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89107	Strand	

Start	23643	End	24283
Name	OJ000350_61.0410.C5.o4.tm	Method	TBLASTX:Maize
Start	23660	End	24163
GI	none	Score	65
Exons	23660..24163, 23738..23926, 23742..24122		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89107	Strand	
Start	23643	End	24283
Name	OJ000350_61.0410.C5.o7.tw	Method	TBLASTX:Wheat
Start	23810	End	24211
GI	none	Score	109
Exons	23810..24211, 23811..24164		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89107	Strand	
Start	23643	End	24283
Name	OJ000350_61.0410.C5.o3.ts	Method	TBLASTX:Soybean
Start	23924	End	24283
GI	none	Score	129
Exons	23924..24283, 23925..24164, 24243..24278		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89108	Strand	
Start	24206	End	24742
Name	OJ000350_61.0410.C5.o3.tm	Method	TBLASTX:Maize
Start	24206	End	24673
GI	none	Score	133
Exons	24206..24673, 24249..24617		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89108	Strand	
Start	24206	End	24742
Name	OJ000350_61.0410.C5.o6.tw	Method	TBLASTX:Wheat
Start	24260	End	24742
GI	none	Score	187
Exons	24260..24742, 24264..24647		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89109	Strand	
Start	24698	End	25025
Name	OJ000350_61.0410.C5.o9.tm	Method	TBLASTX:Maize
Start	24698	End	24946
GI	none	Score	182
Exons	24698..24847, 24699..24839, 24830..24946		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89109	Strand	
Start	24698	End	25025
Name	OJ000350_61.0410.C5.o8.tw	Method	TBLASTX:Wheat
Start	24794	End	25025
GI	none	Score	109
Exons	24794..25006, 24795..25025		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89110	Strand	
Start	25068	End	25559

Name	OJ000350_61.0410.C5.o7.tm	Method	TBLASTX:Maize
Start	25068	End	25322
GI	none	Score	151
Exons	25068..25322, 25069..25317		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89110	Strand	
Start	25068	End	25559
Name	OJ000350_61.0410.C5.o4.tw	Method	TBLASTX:Wheat
Start	25077	End	25559
GI	none	Score	152
Exons	25077..25271, 25090..25260, 25100..25285, 25107..25277, 25278..25559, 25290..25511, 25291..25551		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89110	Strand	
Start	25068	End	25559
Name	OJ000350_61.0410.C5.o5.ts	Method	TBLASTX:Soybean
Start	25077	End	25322
GI	none	Score	139
Exons	25077..25322, 25081..25317		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89111	Strand	
Start	25938	End	26513
Name	OJ000350_61.0410.C5.o2.tw	Method	TBLASTX:Wheat
Start	25938	End	26513
GI	none	Score	186
Exons	25938..26288, 25939..26316, 25942..26040, 25944..26297, 26140..26301, 26307..26513, 26325..26471, 26332..26496		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89111	Strand	
Start	25938	End	26513
Name	OJ000350_61.0410.C5.o6.ts	Method	TBLASTX:Soybean
Start	26070	End	26466
GI	none	Score	70
Exons	26070..26291, 26325..26465, 26332..26466		

Seq. No.	42715	Seq. ID	OJ000350_61.0410.C5
Gene No.	89111	Strand	
Start	25938	End	26513
Name	OJ000350_61.0410.C5.o8.tm	Method	TBLASTX:Maize
Start	26274	End	26510
GI	none	Score	185
Exons	26274..26510, 26287..26508		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89112	Strand	-
Start	11052	End	11144
Name	OJ000350_61.0410.C6.o1.gp	Method	AAT/GAP
Start	11052	End	11144
GI	3760640	Score	75
Exons	11052..11144		
GI Descrip.	4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o18.tw	Method	TBLASTX:Wheat
Start	2890	End	3125
GI	none	Score	43
Exons	2890..2934, 2924..3124, 2943..3125		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o11.tw	Method	TBLASTX:Wheat
Start	3177	End	3521
GI	none	Score	313
Exons	3177..3521, 3192..3326, 3407..3460		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o12.tm	Method	TBLASTX:Maize
Start	3177	End	3476
GI	none	Score	233
Exons	3177..3476, 3203..3307, 3295..3324, 3407..3472		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o16.tm	Method	TBLASTX:Maize
Start	3822	End	4142
GI	none	Score	191
Exons	3822..4142		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o15.tw	Method	TBLASTX:Wheat
Start	3824	End	4223
GI	none	Score	144
Exons	3824..3988, 3825..4052, 4056..4223, 4100..4198		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o13.tm	Method	TBLASTX:Maize
Start	4281	End	35854
GI	none	Score	49
Exons	4281..4328, 4326..4406, 35654..35707, 35710..35847, 35711..35854		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o5.tw	Method	TBLASTX:Wheat
Start	4358	End	36292
GI	none	Score	508
Exons	4358..4651, 4362..4844, 4431..4787, 4703..4801, 24691..24993, 35810..36292, 35929..36261		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o6.ts	Method	TBLASTX:Soybean
Start	4398	End	36160
GI	none	Score	190
Exons	4398..4712, 35852..36160		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o6.tm	Method	TBLASTX:Maize
Start	4431	End	36346
GI	none	Score	349
Exons	4431..4874, 24682..25095, 35878..36288, 35879..36346		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o2.ts	Method	TBLASTX:Soybean
Start	4785	End	36618
GI	none	Score	51
Exons	4785..4817, 4787..4816, 4821..4874, 4822..5058, 4827..5129, 4935..5180, 4940..5170, 25006..25317, 36269..36616, 36385..36618		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o8.tw	Method	TBLASTX:Wheat
Start	4893	End	36644
GI	none	Score	118
Exons	4893..5186, 4934..5188, 4935..5195, 4940..5197, 28668..28754, 36341..36634, 36385..36633, 36399..36644		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o8.tm	Method	TBLASTX:Maize
Start	4947	End	36709
GI	none	Score	299
Exons	4947..5261, 4982..5260, 25114..25329, 36365..36709, 36497..36670		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o3.tw	Method	TBLASTX:Wheat
Start	5198	End	36998
GI	none	Score	565
Exons	5198..5524, 5199..5621, 5271..5621, 36647..36928, 36668..36940, 36942..36998		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o3.ts	Method	TBLASTX:Soybean
Start	5202	End	36909
GI	none	Score	192

Exons	5202..5450, 36650..36907, 36679..36909		
Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o4.tm	Method	TBLASTX:Maize
Start	5268	End	36977
GI	none	Score	449
Exons	5268..5621, 5273..5518, 5280..5606, 5582..5614, 36713..36928, 36924..36977		
Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o2.tw	Method	TBLASTX:Wheat
Start	5652	End	37454
GI	none	Score	582
Exons	5652..6188, 5654..6187, 37164..37328, 37338..37454		
Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o3.tm	Method	TBLASTX:Maize
Start	5957	End	37541
GI	none	Score	79
Exons	5957..6031, 5958..6059, 6077..6262, 6078..6266, 37196..37540, 37197..37541, 37224..37541		
Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o4.ts	Method	TBLASTX:Soybean
Start	5976	End	37490
GI	none	Score	277
Exons	5976..6236, 5978..6235, 5979..6236, 37335..37490		
Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o2.tc	Method	TBLASTX:Cress
Start	6069	End	37478
GI	none	Score	125
Exons	6069..6212, 6071..6211, 37119..37478, 37175..37477, 37251..37478		
Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o1.tw	Method	TBLASTX:Wheat
Start	6195	End	37936
GI	none	Score	201
Exons	6195..6374, 6197..6373, 6372..6803, 6381..6797, 6719..6802, 12725..12946, 12974..13084, 37467..37586, 37595..37936		
Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o1.tm	Method	TBLASTX:Maize

Start	6368	End	37861
GI	none	Score	80
Exons	6368..6490, 6371..6511, 6372..6518, 6515..6676, 6516..6941, 6636..6818, 37640..37789, 37666..37788, 37802..37861		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o7.tw	Method	TBLASTX:Wheat
Start	6803	End	38164
GI	none	Score	383
Exons	6803..6877, 6804..7136, 6807..6911, 6896..6943, 38078..38164		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o15.tm	Method	TBLASTX:Maize
Start	6945	End	7191
GI	none	Score	185
Exons	6945..7157, 6975..7157, 7159..7191, 7165..7191		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o3.gp	Method	AAT/GAP
Start	12013	End	12321
GI	61605_3.R1084	Score	434
Exons	12013..12321		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o5.tm	Method	TBLASTX:Maize
Start	12320	End	12628
GI	none	Score	428
Exons	12320..12628, 12340..12627		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o6.tw	Method	TBLASTX:Wheat
Start	12325	End	12714
GI	none	Score	405
Exons	12325..12636, 12326..12712, 12527..12712, 12667..12714		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o17.tm	Method	TBLASTX:Maize
Start	12784	End	13057
GI	none	Score	95
Exons	12784..12891, 12785..12883, 12874..12948, 12878..12958, 12971..13057		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6

Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o10.tm	Method	TBLASTX:Maize
Start	13157	End	13402
GI	none	Score	150
Exons	13157..13321, 13261..13320, 13300..13401, 13301..13402		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o17.tw	Method	TBLASTX:Wheat
Start	16330	End	16584
GI	none	Score	197
Exons	16330..16584		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o12.tw	Method	TBLASTX:Wheat
Start	22748	End	23090
GI	none	Score	112
Exons	22748..22843, 22752..22844, 22817..23056, 22818..23090		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o4.tw	Method	TBLASTX:Wheat
Start	23867	End	26268
GI	none	Score	405
Exons	23867..24001, 23868..24359, 24023..24340, 24336..24554, 24391..24555, 24422..24553, 24452..24556, 24478..24555, 26167..26268		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o9.tw	Method	TBLASTX:Wheat
Start	25036	End	25352
GI	none	Score	348
Exons	25036..25341, 25039..25299, 25041..25352		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o14.tw	Method	TBLASTX:Wheat
Start	29066	End	29332
GI	none	Score	252
Exons	29066..29332, 29095..29313		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o14.tm	Method	TBLASTX:Maize
Start	32901	End	33063
GI	none	Score	64
Exons	32901..33059, 32920..33063, 32922..33059		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o1.tc	Method	TBLASTX:Cress
Start	32917	End	33667
GI	none	Score	522
Exons	32917..33399, 32953..33054, 33027..33398, 33444..33665, 33479..33667		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o1.ts	Method	TBLASTX:Soybean
Start	32923	End	33626
GI	none	Score	400
Exons	32923..33405, 32953..33300, 33111..33389, 33519..33626		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o10.tw	Method	TBLASTX:Wheat
Start	32929	End	33342
GI	none	Score	119
Exons	32929..33081, 33063..33248, 33076..33279, 33283..33342		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o2.tm	Method	TBLASTX:Maize
Start	33064	End	33659
GI	none	Score	427
Exons	33064..33429, 33078..33398, 33432..33659, 33446..33658		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o11.tm	Method	TBLASTX:Maize
Start	34446	End	38957
GI	none	Score	158
Exons	34446..34772, 34448..34756, 34466..34882, 34572..34763, 34767..34820, 34880..34957, 34880..34969, 38432..38521, 38434..38544, 38435..38521, 38559..38753, 38560..38868, 38560..38757, 38755..38799, 38826..38885, 38860..38955, 38863..38955, 38865..38957		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o13.tw	Method	TBLASTX:Wheat
Start	35194	End	35500
GI	none	Score	47
Exons	35194..35253, 35199..35258, 35201..35290, 35201..35278, 35291..35461, 35292..35417, 35293..35466, 35294..35500		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957

Name	OJ000350_61.0410.C6.o5.ts	Method	TBLASTX:Soybean
Start	35249	End	35485
GI	none	Score	253
Exons	35249..35485, 35255..35473		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o9.tm	Method	TBLASTX:Maize
Start	35249	End	35485
GI	none	Score	261
Exons	35249..35485, 35255..35473		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o16.tw	Method	TBLASTX:Wheat
Start	36998	End	37163
GI	none	Score	223
Exons	36998..37162, 36999..37163		

Seq. No.	42716	Seq. ID	OJ000350_61.0410.C6
Gene No.	89113	Strand	-
Start	12013	End	38957
Name	OJ000350_61.0410.C6.o7.tm	Method	TBLASTX:Maize
Start	37996	End	38242
GI	none	Score	312
Exons	37996..38241, 37997..38242		

Seq. No.	42717	Seq. ID	OJ000350_61.0410.C9
Gene No.	89114	Strand	
Start	1454	End	1877
Name	OJ000350_61.0410.C9.o2.tw	Method	TBLASTX:Wheat
Start	1454	End	1876
GI	none	Score	224
Exons	1454..1876, 1530..1871		

Seq. No.	42717	Seq. ID	OJ000350_61.0410.C9
Gene No.	89114	Strand	
Start	1454	End	1877
Name	OJ000350_61.0410.C9.o2.ts	Method	TBLASTX:Soybean
Start	1497	End	1877
GI	none	Score	118
Exons	1497..1745, 1499..1741, 1781..1876, 1791..1877		

Seq. No.	42717	Seq. ID	OJ000350_61.0410.C9
Gene No.	89114	Strand	
Start	1454	End	1877
Name	OJ000350_61.0410.C9.o6.tm	Method	TBLASTX:Maize
Start	1550	End	1822
GI	none	Score	125
Exons	1550..1648, 1652..1822		

Seq. No.	42717	Seq. ID	OJ000350_61.0410.C9
Gene No.	89115	Strand	
Start	1913	End	2435
Name	OJ000350_61.0410.C9.o3.tw	Method	TBLASTX:Wheat

Start	1913	End	2332
GI	none	Score	85
Exons	1913..2038, 2037..2240, 2228..2332		

Seq. No.	42717	Seq. ID	OJ000350_61.0410.C9
Gene No.	89115	Strand	
Start	1913	End	2435
Name	OJ000350_61.0410.C9.o3.tm	Method	TBLASTX:Maize
Start	2000	End	2435
GI	none	Score	57
Exons	2000..2026, 2037..2156, 2175..2240, 2178..2255, 2216..2434, 2244..2435		

Seq. No.	42717	Seq. ID	OJ000350_61.0410.C9
Gene No.	89116	Strand	
Start	2378	End	2692
Name	OJ000350_61.0410.C9.o4.tw	Method	TBLASTX:Wheat
Start	2378	End	2692
GI	none	Score	80
Exons	2378..2467, 2379..2468, 2467..2691, 2471..2692		

Seq. No.	42717	Seq. ID	OJ000350_61.0410.C9
Gene No.	89117	Strand	
Start	2662	End	3138
Name	OJ000350_61.0410.C9.o2.tm	Method	TBLASTX:Maize
Start	2662	End	2982
GI	none	Score	208
Exons	2662..2982, 2672..2977		

Seq. No.	42717	Seq. ID	OJ000350_61.0410.C9
Gene No.	89117	Strand	
Start	2662	End	3138
Name	OJ000350_61.0410.C9.o1.tw	Method	TBLASTX:Wheat
Start	2692	End	3138
GI	none	Score	205
Exons	2692..2997, 2693..3001, 2780..3022, 2985..3137, 3013..3138		

Seq. No.	42717	Seq. ID	OJ000350_61.0410.C9
Gene No.	89118	Strand	
Start	3381	End	3717
Name	OJ000350_61.0410.C9.o6.tw	Method	TBLASTX:Wheat
Start	3381	End	3717
GI	none	Score	79
Exons	3381..3464, 3397..3468, 3472..3717, 3521..3625		

Seq. No.	42717	Seq. ID	OJ000350_61.0410.C9
Gene No.	89119	Strand	
Start	4380	End	4782
Name	OJ000350_61.0410.C9.o5.tw	Method	TBLASTX:Wheat
Start	4380	End	4782
GI	none	Score	116
Exons	4380..4781, 4474..4782		

Seq. No.	42717	Seq. ID	OJ000350_61.0410.C9
Gene No.	89120	Strand	
Start	13709	End	14098
Name	OJ000350_61.0410.C9.o4.tm	Method	TBLASTX:Maize

Start	13709	End	14098
GI	none	Score	217
Exons	13709..13744, 13751..13978, 13753..13974, 14033..14098, 14038..14097		

Seq. No.	42717	Seq. ID	OJ000350_61.0410.C9
Gene No.	89121	Strand	
Start	14077	End	14421
Name	OJ000350_61.0410.C9.o3.ts	Method	TBLASTX:Soybean
Start	14077	End	14421
GI	none	Score	39
Exons	14077..14307, 14198..14239, 14293..14421, 14294..14419		

Seq. No.	42717	Seq. ID	OJ000350_61.0410.C9
Gene No.	89121	Strand	
Start	14077	End	14421
Name	OJ000350_61.0410.C9.o8.tw	Method	TBLASTX:Wheat
Start	14077	End	14331
GI	none	Score	73
Exons	14077..14331, 14105..14254		

Seq. No.	42717	Seq. ID	OJ000350_61.0410.C9
Gene No.	89121	Strand	
Start	14077	End	14421
Name	OJ000350_61.0410.C9.o1.tm	Method	TBLASTX:Maize
Start	14098	End	14421
GI	none	Score	75
Exons	14098..14289, 14098..14421, 14099..14410		

Seq. No.	42717	Seq. ID	OJ000350_61.0410.C9
Gene No.	89122	Strand	
Start	14410	End	15252
Name	OJ000350_61.0410.C9.o7.tw	Method	TBLASTX:Wheat
Start	14410	End	15216
GI	none	Score	49
Exons	14410..14490, 14758..14835, 14857..14943, 14975..15058, 14977..15216, 15104..15175		

Seq. No.	42717	Seq. ID	OJ000350_61.0410.C9
Gene No.	89122	Strand	
Start	14410	End	15252
Name	OJ000350_61.0410.C9.o5.tm	Method	TBLASTX:Maize
Start	14773	End	15207
GI	none	Score	140
Exons	14773..14943, 14983..15207		

Seq. No.	42717	Seq. ID	OJ000350_61.0410.C9
Gene No.	89122	Strand	
Start	14410	End	15252
Name	OJ000350_61.0410.C9.o1.ts	Method	TBLASTX:Soybean
Start	14864	End	15252
GI	5509260	Score	82
Exons	14864..14944, 14872..14943, 14971..15246, 15103..15252		
GI Descrip.	-		

Seq. No.	42718	Seq. ID	OJ000350_61.0410.C10
Gene No.	89123	Strand	

Start	4485	End	5102
Name	OJ000350_61.0410.C10.o2.tm	Method	TBLASTX:Maize
Start	4485	End	4631
GI	none	Score	122
Exons	4485..4631, 4492..4626		

Seq. No.	42718	Seq. ID	OJ000350_61.0410.C10
Gene No.	89123	Strand	
Start	4485	End	5102
Name	OJ000350_61.0410.C10.o2.tw	Method	TBLASTX:Wheat
Start	4500	End	5102
GI	none	Score	83
Exons	4500..4625, 4504..4626, 4656..4730, 4812..5102, 4819..5097		

Seq. No.	42718	Seq. ID	OJ000350_61.0410.C10
Gene No.	89124	Strand	
Start	5103	End	5621
Name	OJ000350_61.0410.C10.o1.tw	Method	TBLASTX:Wheat
Start	5103	End	5484
GI	none	Score	168
Exons	5103..5483, 5134..5382, 5229..5480, 5428..5484		

Seq. No.	42718	Seq. ID	OJ000350_61.0410.C10
Gene No.	89124	Strand	
Start	5103	End	5621
Name	OJ000350_61.0410.C10.o1.tm	Method	TBLASTX:Maize
Start	5298	End	5621
GI	none	Score	214
Exons	5298..5621, 5311..5592		

Seq. No.	42718	Seq. ID	OJ000350_61.0410.C10
Gene No.	89125	Strand	
Start	5814	End	6587
Name	OJ000350_61.0410.C10.o4.tw	Method	TBLASTX:Wheat
Start	5814	End	6126
GI	none	Score	67
Exons	5814..6074, 5950..6126		

Seq. No.	42718	Seq. ID	OJ000350_61.0410.C10
Gene No.	89125	Strand	
Start	5814	End	6587
Name	OJ000350_61.0410.C10.o3.tw	Method	TBLASTX:Wheat
Start	6129	End	6587
GI	none	Score	77
Exons	6129..6278, 6130..6267, 6312..6563, 6313..6498, 6333..6587		

Seq. No.	42718	Seq. ID	OJ000350_61.0410.C10
Gene No.	89126	Strand	
Start	11635	End	11994
Name	OJ000350_61.0410.C10.o1.tc	Method	TBLASTX:Cress
Start	11635	End	11994
GI	none	Score	42
Exons	11635..11907, 11917..11994		

Seq. No.	42719	Seq. ID	OJ000350_61.0410.C11
Gene No.	89127	Strand	+
Start	94	End	199

Name	OJ000350_61.0410.C11.o2.gp	Method	AAT/GAP
Start	94	End	199
GI	5816518	Score	156
Exons	94..199		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	42720	Seq. ID	OJ000350_61.0410.C12
Gene No.	89128	Strand	-
Start	1119	End	1351
Name	OJ000350_61.0410.C12.o1.gp	Method	AAT/GAP
Start	1119	End	1351
GI	3761181	Score	331
Exons	1119..1351		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	42720	Seq. ID	OJ000350_61.0410.C12
Gene No.	89129	Strand	-
Start	1359	End	1465
Name	OJ000350_61.0410.C12.o2.gp	Method	AAT/GAP
Start	1359	End	1465
GI	5816518	Score	153
Exons	1359..1465		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	42720	Seq. ID	OJ000350_61.0410.C12
Gene No.	89130	Strand	
Start	4240	End	4961
Name	OJ000350_61.0410.C12.o1.tc	Method	TBLASTX:Cress
Start	4240	End	4954
GI	none	Score	56
Exons	4240..4332, 4350..4595, 4351..4683, 4681..4917, 4701..4892, 4802..4954		

Seq. No.	42720	Seq. ID	OJ000350_61.0410.C12
Gene No.	89130	Strand	
Start	4240	End	4961
Name	OJ000350_61.0410.C12.o1.ts	Method	TBLASTX:Soybean
Start	4240	End	4961
GI	none	Score	67
Exons	4240..4332, 4356..4595, 4357..4620, 4648..4947, 4704..4961		

Seq. No.	42720	Seq. ID	OJ000350_61.0410.C12
Gene No.	89130	Strand	
Start	4240	End	4961
Name	OJ000350_61.0410.C12.o1.tm	Method	TBLASTX:Maize
Start	4332	End	4947
GI	none	Score	46
Exons	4332..4418, 4341..4595, 4348..4596, 4348..4611, 4439..4603, 4653..4931, 4666..4932, 4687..4947		

Seq. No.	42720	Seq. ID	OJ000350_61.0410.C12
Gene No.	89130	Strand	
Start	4240	End	4961
Name	OJ000350_61.0410.C12.o1.tw	Method	TBLASTX:Wheat

Start	4344	End	4596
GI	none	Score	278
Exons	4344..4595, 4345..4596		

Seq. No.	42721	Seq. ID	OJ000350_61.0410.C16
Gene No.	89131	Strand	-
Start	36	End	284
Name	OJ000350_61.0410.C16.o1.gp	Method	AAT/GAP
Start	36	End	284
GI	uC-osf1cyp099d06b1	Score	482
Exons	36..284		
GI Descrip.	'4521193/dbj\|AB013450.1\|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	42722	Seq. ID	OJ000350_61.0410.C18
Gene No.	89132	Strand	-
Start	1727	End	1996
Name	OJ000350_61.0410.C18.o1.gp	Method	AAT/GAP
Start	1727	End	1996
GI	5607623	Score	509
Exons	1727..1996		
GI Descrip.	287391/dbj\|D13111\|RICMT15 2.0e-27 Oryza sativa mitochondrial rpoB pseudogene		

Seq. No.	42722	Seq. ID	OJ000350_61.0410.C18
Gene No.	89133	Strand	-
Start	2159	End	2503
Name	OJ000350_61.0410.C18.o2.gp	Method	AAT/GAP
Start	2159	End	2503
GI	5607624	Score	671
Exons	2159..2503		
GI Descrip.	287391/dbj\|D13111\|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene		

Seq. No.	42722	Seq. ID	OJ000350_61.0410.C18
Gene No.	89134	Strand	-
Start	3116	End	3496
Name	OJ000350_61.0410.C18.o3.gp	Method	AAT/GAP
Start	3116	End	3496
GI	none	Score	722
Exons	3116..3496		

Seq. No.	42722	Seq. ID	OJ000350_61.0410.C18
Gene No.	89135	Strand	-
Start	3717	End	4264
Name	OJ000350_61.0410.C18.o1.tc	Method	TBLASTX:Cress
Start	2425	End	2766
GI	none	Score	38
Exons	2425..2460, 2430..2459, 2477..2551, 2478..2552, 2602..2754, 2610..2759, 2610..2762, 2623..2766		

Seq. No.	42722	Seq. ID	OJ000350_61.0410.C18
Gene No.	89135	Strand	-
Start	3717	End	4264
Name	OJ000350_61.0410.C18.o1.ts	Method	TBLASTX:Soybean
Start	2472	End	2766
GI	none	Score	52

Exons	2472..2576, 2489..2563, 2491..2586, 2580..2759, 2582..2758, 2583..2762, 2623..2766		
Seq. No.	42722	Seq. ID	OJ000350_61.0410.C18
Gene No.	89135	Strand	-
Start	3717	End	4264
Name	OJ000350_61.0410.C18.o1.tm	Method	TBLASTX:Maize
Start	2490	End	2758
GI	none	Score	370
Exons	2490..2750, 2490..2750, 2491..2754, 2492..2758		
Seq. No.	42722	Seq. ID	OJ000350_61.0410.C18
Gene No.	89135	Strand	-
Start	3717	End	4264
Name	OJ000350_61.0410.C18.o4.gp	Method	AAT/GAP
Start	3717	End	4264
GI	uC-osrocyp004c06b1	Score	932
Exons	3717..4264		
GI Descrip.	'2191175 5.0e-21 (AF007270) A_IG002P16.24 gene product [Arabidopsis thaliana]'		
Seq. No.	42722	Seq. ID	OJ000350_61.0410.C18
Gene No.	89136	Strand	
Start	4898	End	5071
Name	OJ000350_61.0410.C18.o1.tw	Method	TBLASTX:Wheat
Start	4898	End	5071
GI	none	Score	125
Exons	4898..4990, 4898..4984, 4950..5063, 4988..5071, 5002..5070, 5015..5071		
Seq. No.	42723	Seq. ID	OJ000350_61.0410.C29
Gene No.	89137	Strand	
Start	778	End	1194
Name	OJ000350_61.0410.C29.o1.ts	Method	TBLASTX:Soybean
Start	778	End	1194
GI	none	Score	44
Exons	778..813, 786..815, 787..816, 789..815, 821..937, 822..941, 892..1020, 919..1026, 923..1036, 924..1028, 1072..1104, 1075..1125, 1111..1194		
Seq. No.	42724	Seq. ID	OJ000350_61.0410.C36
Gene No.	89138	Strand	
Start	1229	End	1446
Name	OJ000350_61.0410.C36.o1.tw	Method	TBLASTX:Wheat
Start	1229	End	1446
GI	none	Score	181
Exons	1229..1351, 1245..1352, 1344..1445, 1345..1446, 1346..1444		
Seq. No.	42724	Seq. ID	OJ000350_61.0410.C36
Gene No.	89139	Strand	
Start	3579	End	4064
Name	OJ000350_61.0410.C36.o1.ts	Method	TBLASTX:Soybean
Start	3579	End	4013
GI	none	Score	42
Exons	3579..3641, 3726..4013, 3740..3877		
Seq. No.	42724	Seq. ID	OJ000350_61.0410.C36

Gene No.	89139	Strand	
Start	3579	End	4064
Name	OJ000350_61.0410.C36.o1.tc	Method	TBLASTX:Cress
Start	3726	End	4064
GI	none	Score	266
Exons	3726..4064, 3740..3913		

Seq. No.	42725	Seq. ID	OJ000350_61.0410.C42
Gene No.	89140	Strand	
Start	4	End	160
Name	OJ000350_61.0410.C42.o1.ts	Method	TBLASTX:Soybean
Start	4	End	160
GI	none	Score	198
Exons	4..159, 8..160, 8..157		

Seq. No.	42726	Seq. ID	OJ000350_61.0410.C43
Gene No.	89141	Strand	
Start	512	End	784
Name	OJ000350_61.0410.C43.o1.tc	Method	TBLASTX:Cress
Start	512	End	649
GI	none	Score	191
Exons	512..649, 512..649		

Seq. No.	42726	Seq. ID	OJ000350_61.0410.C43
Gene No.	89141	Strand	
Start	512	End	784
Name	OJ000350_61.0410.C43.o1.tm	Method	TBLASTX:Maize
Start	518	End	784
GI	none	Score	236
Exons	518..667, 518..700, 519..701, 541..708, 746..784		

Seq. No.	42727	Seq. ID	OJ000350_61.0410.C45
Gene No.	89142	Strand	-
Start	1149	End	1883
Name	OJ000350_61.0410.C45.o3.tm	Method	TBLASTX:Maize
Start	1	End	225
GI	none	Score	345
Exons	1..225, 2..217, 3..218, 79..219		

Seq. No.	42727	Seq. ID	OJ000350_61.0410.C45
Gene No.	89142	Strand	-
Start	1149	End	1883
Name	OJ000350_61.0410.C45.o1.ts	Method	TBLASTX:Soybean
Start	3	End	580
GI	none	Score	160
Exons	3..125, 4..123, 6..128, 129..170, 129..206, 130..207, 185..580, 199..492		

Seq. No.	42727	Seq. ID	OJ000350_61.0410.C45
Gene No.	89142	Strand	-
Start	1149	End	1883
Name	OJ000350_61.0410.C45.o1.tc	Method	TBLASTX:Cress
Start	129	End	966
GI	none	Score	79
Exons	129..170, 130..327, 131..325, 207..338, 324..437, 325..441, 326..445, 449..658, 451..732, 453..734, 454..738, 734..847, 738..836, 738..866, 739..846, 739..876, 743..874, 856..933,		

872..934, 872..949, 874..936, 937..966

Seq. No.	42727	Seq. ID	OJ000350_61.0410.C45
Gene No.	89142	Strand	-
Start	1149	End	1883
Name	OJ000350_61.0410.C45.o1.tm	Method	TBLASTX:Maize
Start	449	End	995
GI	none	Score	304
Exons	449..658, 451..699, 454..699, 528..701, 635..700, 694..732, 702..734, 702..746, 703..735, 733..864, 734..859, 852..950, 863..934, 868..936, 873..950, 936..968, 936..968, 943..993, 958..993, 963..995		

Seq. No.	42727	Seq. ID	OJ000350_61.0410.C45
Gene No.	89142	Strand	-
Start	1149	End	1883
Name	OJ000350_61.0410.C45.o2.ts	Method	TBLASTX:Soybean
Start	581	End	936
GI	none	Score	107
Exons	581..658, 583..732, 585..734, 585..746, 586..735, 734..847, 735..866, 736..876, 737..874, 856..933, 872..934, 873..935, 874..936		

Seq. No.	42727	Seq. ID	OJ000350_61.0410.C45
Gene No.	89142	Strand	-
Start	1149	End	1883
Name	OJ000350_61.0410.C45.o2.tw	Method	TBLASTX:Wheat
Start	811	End	993
GI	none	Score	86
Exons	811..864, 812..862, 852..932, 859..933, 860..931, 868..936, 936..968, 936..968, 943..993, 963..992		

Seq. No.	42727	Seq. ID	OJ000350_61.0410.C45
Gene No.	89142	Strand	-
Start	1149	End	1883
Name	OJ000350_61.0410.C45.o2.tm	Method	TBLASTX:Maize
Start	1134	End	1662
GI	none	Score	113
Exons	1134..1232, 1134..1196, 1136..1213, 1292..1621, 1292..1618, 1294..1662, 1309..1620		

Seq. No.	42727	Seq. ID	OJ000350_61.0410.C45
Gene No.	89142	Strand	-
Start	1149	End	1883
Name	OJ000350_61.0410.C45.o1.gp	Method	AAT/GAP
Start	1149	End	1883
GI	14384_1.R1084	Score	1205
Exons	1149..1883		
GI Descrip.	'5881726/dbj\|BAA84417.1\| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	42727	Seq. ID	OJ000350_61.0410.C45
Gene No.	89142	Strand	-
Start	1149	End	1883
Name	OJ000350_61.0410.C45.o1.tw	Method	TBLASTX:Wheat
Start	1259	End	1883
GI	none	Score	603

Exons	1259..1630, 1259..1639, 1276..1632, 1626..1880, 1627..1881, 1628..1882, 1629..1883		
Seq. No.	42727	Seq. ID	OJ000350_61.0410.C45
Gene No.	89142	Strand	-
Start	1149	End	1883
Name	OJ000350_61.0410.C45.o2.tc	Method	TBLASTX:Cress
Start	1272	End	1541
GI	none	Score	343
Exons	1272..1373, 1274..1540, 1274..1540, 1410..1541		
Seq. No.	42727	Seq. ID	OJ000350_61.0410.C45
Gene No.	89142	Strand	-
Start	1149	End	1883
Name	OJ000350_61.0410.C45.o3.tc	Method	TBLASTX:Cress
Start	1632	End	1770
GI	none	Score	190
Exons	1632..1769, 1634..1768, 1648..1770		
Seq. No.	42727	Seq. ID	OJ000350_61.0410.C45
Gene No.	89142	Strand	-
Start	1149	End	1883
Name	OJ000350_61.0410.C45.o4.tm	Method	TBLASTX:Maize
Start	1713	End	1878
GI	none	Score	144
Exons	1713..1877, 1714..1878, 1719..1877		
Seq. No.	42728	Seq. ID	OJ000350_61.0410.C48
Gene No.	89143	Strand	+
Start	1	End	106
Name	OJ000350_61.0410.C48.o1.gp	Method	AAT/GAP
Start	1	End	106
GI	uC-osflcyp099h10a1	Score	201
Exons	1..106		
GI Descrip.	'769724/dbj\|BAA06828.1\| 3.0e-27 (D32052) ORF92B [Oryza sativa]'		
Seq. No.	42728	Seq. ID	OJ000350_61.0410.C48
Gene No.	89144	Strand	
Start	3510	End	4091
Name	OJ000350_61.0410.C48.o1.tc	Method	TBLASTX:Cress
Start	3510	End	4091
GI	none	Score	117
Exons	3510..3737, 3544..3765, 3861..4034, 3922..4035, 4014..4091		
Seq. No.	42729	Seq. ID	OJ000350_61.0410.C55
Gene No.	89145	Strand	+
Start	1022	End	1406
Name	OJ000350_61.0410.C55.o1.gp	Method	AAT/GAP
Start	1022	End	1406
GI	uC-osflcyp033a04b1	Score	620
Exons	1022..1406		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	42729	Seq. ID	OJ000350_61.0410.C55
Gene No.	89146	Strand	+
Start	2573	End	3027

Name	OJ000350_61.0410.C55.o3.gp	Method	AAT/GAP
Start	2573	End	3027
GI	95437_1.R1084	Score	782
Exons	2573..3027		
GI Descrip.	'4512226/dbj\|AB014738.1\|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	42730	Seq. ID	OJ000350_61.0410.C56
Gene No.	89147	Strand	
Start	169	End	1715
Name	OJ000350_61.0410.C56.o6.tw	Method	TBLASTX:Wheat
Start	169	End	502
GI	none	Score	98
Exons	169..501, 190..492, 233..502		

Seq. No.	42730	Seq. ID	OJ000350_61.0410.C56
Gene No.	89147	Strand	
Start	169	End	1715
Name	OJ000350_61.0410.C56.o1.tm	Method	TBLASTX:Maize
Start	349	End	950
GI	none	Score	207
Exons	349..786, 365..808, 722..811, 808..942, 820..942, 834..950		

Seq. No.	42730	Seq. ID	OJ000350_61.0410.C56
Gene No.	89147	Strand	
Start	169	End	1715
Name	OJ000350_61.0410.C56.o2.tw	Method	TBLASTX:Wheat
Start	502	End	1130
GI	none	Score	67
Exons	502..786, 505..627, 614..787, 798..1070, 808..1074, 817..939, 834..1130		

Seq. No.	42730	Seq. ID	OJ000350_61.0410.C56
Gene No.	89147	Strand	
Start	169	End	1715
Name	OJ000350_61.0410.C56.o4.tm	Method	TBLASTX:Maize
Start	999	End	1290
GI	none	Score	210
Exons	999..1289, 1003..1290		

Seq. No.	42730	Seq. ID	OJ000350_61.0410.C56
Gene No.	89147	Strand	
Start	169	End	1715
Name	OJ000350_61.0410.C56.o2.ts	Method	TBLASTX:Soybean
Start	1089	End	1349
GI	none	Score	151
Exons	1089..1349, 1090..1344, 1098..1346		

Seq. No.	42730	Seq. ID	OJ000350_61.0410.C56
Gene No.	89147	Strand	
Start	169	End	1715
Name	OJ000350_61.0410.C56.o1.tc	Method	TBLASTX:Cress
Start	1113	End	1430
GI	none	Score	75
Exons	1113..1256, 1114..1254, 1257..1430		

Seq. No.	42730	Seq. ID	OJ000350_61.0410.C56
Gene No.	89147	Strand	
Start	169	End	1715
Name	OJ000350_61.0410.C56.o1.tw	Method	TBLASTX:Wheat
Start	1137	End	1715
GI	none	Score	333
Exons	1137..1715, 1141..1704		

Seq. No.	42730	Seq. ID	OJ000350_61.0410.C56
Gene No.	89148	Strand	
Start	1704	End	2129
Name	OJ000350_61.0410.C56.o2.tm	Method	TBLASTX:Maize
Start	1704	End	2058
GI	none	Score	230
Exons	1704..2057, 1708..2058		

Seq. No.	42730	Seq. ID	OJ000350_61.0410.C56
Gene No.	89148	Strand	
Start	1704	End	2129
Name	OJ000350_61.0410.C56.o3.tw	Method	TBLASTX:Wheat
Start	1716	End	2129
GI	none	Score	331
Exons	1716..2129, 1717..2097		

Seq. No.	42730	Seq. ID	OJ000350_61.0410.C56
Gene No.	89148	Strand	
Start	1704	End	2129
Name	OJ000350_61.0410.C56.o3.ts	Method	TBLASTX:Soybean
Start	1878	End	2123
GI	none	Score	59
Exons	1878..2123, 1978..2106		

Seq. No.	42730	Seq. ID	OJ000350_61.0410.C56
Gene No.	89149	Strand	
Start	2094	End	2963
Name	OJ000350_61.0410.C56.o3.tm	Method	TBLASTX:Maize
Start	2094	End	2594
GI	none	Score	50
Exons	2094..2408, 2137..2187, 2215..2268, 2415..2594, 2440..2586		

Seq. No.	42730	Seq. ID	OJ000350_61.0410.C56
Gene No.	89149	Strand	
Start	2094	End	2963
Name	OJ000350_61.0410.C56.o5.tw	Method	TBLASTX:Wheat
Start	2130	End	2432
GI	none	Score	190
Exons	2130..2432, 2136..2429, 2146..2430, 2324..2431		

Seq. No.	42730	Seq. ID	OJ000350_61.0410.C56
Gene No.	89149	Strand	
Start	2094	End	2963
Name	OJ000350_61.0410.C56.o1.ts	Method	TBLASTX:Soybean
Start	2144	End	2540
GI	none	Score	193
Exons	2144..2326, 2145..2504, 2146..2436, 2464..2502, 2508..2540, 2509..2538		

Seq. No.	42730	Seq. ID	OJ000350_61.0410.C56
Gene No.	89149	Strand	
Start	2094	End	2963
Name	OJ000350_61.0410.C56.o4.tw	Method	TBLASTX:Wheat
Start	2481	End	2963
GI	none	Score	195
Exons	2481..2858, 2484..2849, 2524..2859, 2913..2963		

Seq. No.	42730	Seq. ID	OJ000350_61.0410.C56
Gene No.	89149	Strand	
Start	2094	End	2963
Name	OJ000350_61.0410.C56.o2.tc	Method	TBLASTX:Cress
Start	2517	End	2834
GI	none	Score	178
Exons	2517..2834		

Seq. No.	42730	Seq. ID	OJ000350_61.0410.C56
Gene No.	89149	Strand	
Start	2094	End	2963
Name	OJ000350_61.0410.C56.o5.tm	Method	TBLASTX:Maize
Start	2662	End	2951
GI	none	Score	131
Exons	2662..2853, 2664..2951		

Seq. No.	42730	Seq. ID	OJ000350_61.0410.C56
Gene No.	89150	Strand	
Start	3078	End	3501
Name	OJ000350_61.0410.C56.o7.tw	Method	TBLASTX:Wheat
Start	3078	End	3501
GI	none	Score	67
Exons	3078..3245, 3133..3246, 3291..3353, 3359..3445, 3379..3501		

Seq. No.	42731	Seq. ID	OJ000350_61.0410.C58
Gene No.	89151	Strand	+
Start	184	End	475
Name	OJ000350_61.0410.C58.o1.tm	Method	TBLASTX:Maize
Start	33	End	475
GI	none	Score	565
Exons	33..473, 39..449, 44..475, 394..474		

Seq. No.	42731	Seq. ID	OJ000350_61.0410.C58
Gene No.	89151	Strand	+
Start	184	End	475
Name	OJ000350_61.0410.C58.o1.gp	Method	AAT/GAP
Start	184	End	475
GI	101261_1.R1084	Score	560
Exons	184..475		
GI Descrip.	'481526/pir\|\|S38800 3.0e-33 probable ribosomal protein S1 - wheat mitochondrion'		

Seq. No.	42732	Seq. ID	OJ000350_61.0410.C60
Gene No.	89152	Strand	
Start	1386	End	1793
Name	OJ000350_61.0410.C60.o1.tw	Method	TBLASTX:Wheat
Start	1386	End	1793
GI	none	Score	571
Exons	1386..1793, 1388..1792		

Seq. No.	42733	Seq. ID	OJ000350_61.0410.C61
Gene No.	89153	Strand	
Start	242	End	703
Name	OJ000350_61.0410.C61.o1.ts	Method	TBLASTX:Soybean
Start	242	End	703
GI	none	Score	278
Exons	242..703, 286..540		

Seq. No.	42734	Seq. ID	OJ000350_61.0410.C62
Gene No.	89154	Strand	+
Start	6047	End	6399
Name	OJ000350_61.0410.C62.o1.gp	Method	AAT/GAP
Start	6047	End	6399
GI	427699	Score	602
Exons	6047..6399		

Seq. No.	42734	Seq. ID	OJ000350_61.0410.C62
Gene No.	89154	Strand	+
Start	6047	End	6399
Name	OJ000350_61.0410.C62.o1.tm	Method	TBLASTX:Maize
Start	6139	End	6329
GI	none	Score	47
Exons	6139..6165, 6140..6172, 6155..6265, 6162..6287, 6169..6288, 6169..6294, 6276..6314, 6294..6329		

Seq. No.	42735	Seq. ID	OJ000350_61.0410.C65
Gene No.	89155	Strand	+
Start	1	End	312
Name	OJ000350_61.0410.C65.o1.gp	Method	AAT/GAP
Start	1	End	312
GI	24824_1.R1084	Score	270
Exons	1..144, 290..312		
GI Descrip.	'476752 5.0e-87 (L24073) rubisco large subunit [Oryza sativa] >gi_1583954_prf__2121489A RuBisCO:SUBUNIT=large:ISOTYPE=truncated [Oryza sativa]'		

Seq. No.	42735	Seq. ID	OJ000350_61.0410.C65
Gene No.	89155	Strand	+
Start	1	End	312
Name	OJ000350_61.0410.C65.o1.tm	Method	TBLASTX:Maize
Start	1	End	186
GI	none	Score	243
Exons	1..186, 2..142, 3..143		

Seq. No.	42735	Seq. ID	OJ000350_61.0410.C65
Gene No.	89155	Strand	+
Start	1	End	312
Name	OJ000350_61.0410.C65.o1.tc	Method	TBLASTX:Cress
Start	1	End	186
GI	none	Score	220
Exons	1..186, 1..144		

Seq. No.	42735	Seq. ID	OJ000350_61.0410.C65
Gene No.	89155	Strand	+
Start	1	End	312
Name	OJ000350_61.0410.C65.o1.tw	Method	TBLASTX:Wheat

Start	1	End	144
GI	none	Score	253
Exons	1..144, 3..143		

Seq. No.	42735	Seq. ID	OJ000350_61.0410.C65
Gene No.	89155	Strand	+
Start	1	End	312
Name	OJ000350_61.0410.C65.o1.ts	Method	TBLASTX:Soybean
Start	1	End	186
GI	none	Score	205
Exons	1..186, 1..144		

Seq. No.	42736	Seq. ID	OJ000350_64.0403.C2
Gene No.	89156	Strand	-
Start	1	End	1732
Name	OJ000350_64.0403.C2.o1.np	Method	AAT/NAP
Start	1	End	1732
GI	6815107	Score	2061
Exons	1..102, 220..1217, 1299..1509, 1669..1732		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	42736	Seq. ID	OJ000350_64.0403.C2
Gene No.	89156	Strand	-
Start	1	End	1732
Name	OJ000350_64.0403.C2.o1.tw	Method	TBLASTX:Wheat
Start	136	End	567
GI	none	Score	62
Exons	136..567, 164..364, 407..565		

Seq. No.	42736	Seq. ID	OJ000350_64.0403.C2
Gene No.	89156	Strand	-
Start	1	End	1732
Name	OJ000350_64.0403.C2.o1.tm	Method	TBLASTX:Maize
Start	157	End	588
GI	none	Score	82
Exons	157..588, 161..316, 226..582		

Seq. No.	42736	Seq. ID	OJ000350_64.0403.C2
Gene No.	89156	Strand	-
Start	1	End	1732
Name	OJ000350_64.0403.C2.o1.ts	Method	TBLASTX:Soybean
Start	175	End	741
GI	none	Score	87
Exons	175..741, 422..679, 526..711		

Seq. No.	42736	Seq. ID	OJ000350_64.0403.C2
Gene No.	89156	Strand	-
Start	1	End	1732
Name	OJ000350_64.0403.C2.o1.gs	Method	GENSCAN
Start	448	End	1443
GI	none	Score	.97
Exons	448..1217, 1299..1443		

Seq. No.	42736	Seq. ID	OJ000350_64.0403.C2
Gene No.	89156	Strand	-
Start	1	End	1732

Name	OJ000350_64.0403.C2.o1.tc	Method	TBLASTX:Cress
Start	487	End	801
GI	none	Score	217
Exons	487..801		

Seq. No.	42736	Seq. ID	OJ000350_64.0403.C2
Gene No.	89156	Strand	-
Start	1	End	1732
Name	OJ000350_64.0403.C2.o2.tm	Method	TBLASTX:Maize
Start	589	End	851
GI	none	Score	68
Exons	589..846, 595..741, 672..851		

Seq. No.	42737	Seq. ID	OJ000350_64.0403.C3
Gene No.	89157	Strand	+
Start	2854	End	6501
Name	OJ000350_64.0403.C3.o1.gs	Method	GENSCAN
Start	2854	End	4129
GI	none	Score	.53
Exons	2854..2856, 3644..4129		

Seq. No.	42737	Seq. ID	OJ000350_64.0403.C3
Gene No.	89157	Strand	+
Start	2854	End	6501
Name	OJ000350_64.0403.C3.o1.np	Method	AAT/NAP
Start	3692	End	6501
GI	7340860	Score	79
Exons	3692..3739, 4977..5092, 6477..6501		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42737	Seq. ID	OJ000350_64.0403.C3
Gene No.	89158	Strand	+
Start	8600	End	11097
Name	OJ000350_64.0403.C3.o3.gs	Method	GENSCAN
Start	8600	End	11097
GI	none	Score	.88
Exons	8600..8665, 8845..9000, 9030..9210, 9284..10424, 10572..11097		

Seq. No.	42737	Seq. ID	OJ000350_64.0403.C3
Gene No.	89158	Strand	+
Start	8600	End	11097
Name	OJ000350_64.0403.C3.o2.np	Method	AAT/NAP
Start	9268	End	10989
GI	2347195	Score	900
Exons	9268..9540, 9589..10424, 10572..10989		
GI Descrip.	(AC002338) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42737	Seq. ID	OJ000350_64.0403.C3
Gene No.	89159	Strand	-
Start	12202	End	13470
Name	OJ000350_64.0403.C3.o1.tm	Method	TBLASTX:Maize
Start	9258	End	9585
GI	none	Score	488
Exons	9258..9584, 9274..9585, 9466..9585		

Seq. No.	42737	Seq. ID	OJ000350_64.0403.C3

Gene No.	89159	Strand	-
Start	12202	End	13470
Name	OJ000350_64.0403.C3.o1.tc	Method	TBLASTX:Cress
Start	9262	End	9729
GI	none	Score	204
Exons	9262..9552, 9264..9530, 9559..9729		

Seq. No.	42737	Seq. ID	OJ000350_64.0403.C3
Gene No.	89159	Strand	-
Start	12202	End	13470
Name	OJ000350_64.0403.C3.o1.ts	Method	TBLASTX:Soybean
Start	9277	End	9741
GI	none	Score	215
Exons	9277..9552, 9390..9536, 9559..9741, 9559..9711		

Seq. No.	42737	Seq. ID	OJ000350_64.0403.C3
Gene No.	89159	Strand	-
Start	12202	End	13470
Name	OJ000350_64.0403.C3.o3.tw	Method	TBLASTX:Wheat
Start	9472	End	12630
GI	none	Score	97
Exons	9472..9549, 12229..12423, 12481..12630		

Seq. No.	42737	Seq. ID	OJ000350_64.0403.C3
Gene No.	89159	Strand	-
Start	12202	End	13470
Name	OJ000350_64.0403.C3.o5.tm	Method	TBLASTX:Maize
Start	10201	End	10425
GI	none	Score	200
Exons	10201..10329, 10242..10349, 10260..10424, 10267..10425, 10331..10423, 10396..10425		

Seq. No.	42737	Seq. ID	OJ000350_64.0403.C3
Gene No.	89159	Strand	-
Start	12202	End	13470
Name	OJ000350_64.0403.C3.o3.tm	Method	TBLASTX:Maize
Start	10563	End	10794
GI	none	Score	299
Exons	10563..10793, 10570..10794		

Seq. No.	42737	Seq. ID	OJ000350_64.0403.C3
Gene No.	89159	Strand	-
Start	12202	End	13470
Name	OJ000350_64.0403.C3.o4.gs	Method	GENSCAN
Start	12202	End	13404
GI	none	Score	.93
Exons	12202..13404		

Seq. No.	42737	Seq. ID	OJ000350_64.0403.C3
Gene No.	89159	Strand	-
Start	12202	End	13470
Name	OJ000350_64.0403.C3.o3.np	Method	AAT/NAP
Start	12211	End	13221
GI	6069646	Score	428
Exons	12211..13221		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to		

Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	42737	Seq. ID	OJ000350_64.0403.C3
Gene No.	89159	Strand	-
Start	12202	End	13470
Name	OJ000350_64.0403.C3.o2.tm	Method	TBLASTX:Maize
Start	12413	End	12699
GI	none	Score	106
Exons	12413..12697, 12418..12693, 12499..12699		

Seq. No.	42737	Seq. ID	OJ000350_64.0403.C3
Gene No.	89159	Strand	-
Start	12202	End	13470
Name	OJ000350_64.0403.C3.o2.tw	Method	TBLASTX:Wheat
Start	12637	End	13026
GI	none	Score	79
Exons	12637..12789, 12656..12784, 12850..13026		

Seq. No.	42737	Seq. ID	OJ000350_64.0403.C3
Gene No.	89159	Strand	-
Start	12202	End	13470
Name	OJ000350_64.0403.C3.o4.tm	Method	TBLASTX:Maize
Start	13111	End	13470
GI	none	Score	82
Exons	13111..13470, 13112..13282		

Seq. No.	42737	Seq. ID	OJ000350_64.0403.C3
Gene No.	89159	Strand	-
Start	12202	End	13470
Name	OJ000350_64.0403.C3.o1.tw	Method	TBLASTX:Wheat
Start	13186	End	13462
GI	none	Score	56
Exons	13186..13344, 13216..13308, 13330..13458, 13334..13462		

Seq. No.	42738	Seq. ID	OJ000350_64.0403.C4
Gene No.	89160	Strand	-
Start	1	End	4787
Name	OJ000350_64.0403.C4.o1.np	Method	AAT/NAP
Start	1	End	3573
GI	6069646	Score	458
Exons	1..590, 3532..3573		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	42738	Seq. ID	OJ000350_64.0403.C4
Gene No.	89160	Strand	-
Start	1	End	4787
Name	OJ000350_64.0403.C4.o1.gs	Method	GENSCAN
Start	17	End	4787
GI	none	Score	.46
Exons	17..1565, 2454..2587, 3565..3756, 3863..3945, 4150..4265, 4739..4787		

Seq. No.	42738	Seq. ID	OJ000350_64.0403.C4
Gene No.	89160	Strand	-
Start	1	End	4787
Name	OJ000350_64.0403.C4.o3.np	Method	AAT/NAP
Start	130	End	2668
GI	7484649	Score	556
Exons	130..1565, 2647..2668		
GI Descrip.	reverse transcriptase - beet retrotransposon (fragment) gi\|2462134\|emb\|CAA73798.1\| (Y13368) reverse transcriptase [Beta vulgaris]		

Seq. No.	42738	Seq. ID	OJ000350_64.0403.C4
Gene No.	89161	Strand	-
Start	5602	End	5947
Name	OJ000350_64.0403.C4.o2.tw	Method	TBLASTX:Wheat
Start	46	End	351
GI	none	Score	79
Exons	46..351, 56..202		

Seq. No.	42738	Seq. ID	OJ000350_64.0403.C4
Gene No.	89161	Strand	-
Start	5602	End	5947
Name	OJ000350_64.0403.C4.o1.tm	Method	TBLASTX:Maize
Start	187	End	612
GI	none	Score	270
Exons	187..612, 188..601		

Seq. No.	42738	Seq. ID	OJ000350_64.0403.C4
Gene No.	89161	Strand	-
Start	5602	End	5947
Name	OJ000350_64.0403.C4.o1.tw	Method	TBLASTX:Wheat
Start	358	End	693
GI	none	Score	85
Exons	358..540, 541..693		

Seq. No.	42738	Seq. ID	OJ000350_64.0403.C4
Gene No.	89161	Strand	-
Start	5602	End	5947
Name	OJ000350_64.0403.C4.o2.tm	Method	TBLASTX:Maize
Start	772	End	1203
GI	none	Score	100
Exons	772..1203, 881..1060, 886..1179, 1094..1180		

Seq. No.	42738	Seq. ID	OJ000350_64.0403.C4
Gene No.	89161	Strand	-
Start	5602	End	5947
Name	OJ000350_64.0403.C4.o2.gs	Method	GENSCAN
Start	5602	End	5947
GI	none	Score	.88
Exons	5602..5773, 5778..5947		

Seq. No.	42739	Seq. ID	OJ000350_64.0403.C5
Gene No.	89162	Strand	+
Start	1881	End	2012
Name	OJ000350_64.0403.C5.o1.gs	Method	GENSCAN
Start	1881	End	2012

GI	none	Score	.72
Exons	1881..2012		

Seq. No.	42740	Seq. ID	OJ000350_64.0403.C6
Gene No.	89163	Strand	+
Start	146	End	1082
Name	OJ000350_64.0403.C6.o1.gs	Method	GENSCAN
Start	146	End	1082
GI	none	Score	.98
Exons	146..148, 942..1082		

Seq. No.	42740	Seq. ID	OJ000350_64.0403.C6
Gene No.	89164	Strand	+
Start	4246	End	7488
Name	OJ000350_64.0403.C6.o3.gs	Method	GENSCAN
Start	4246	End	7488
GI	none	Score	.86
Exons	4246..4312, 4318..4530, 4559..4659, 4824..4866, 5024..5096, 5935..6051, 7419..7488		

Seq. No.	42740	Seq. ID	OJ000350_64.0403.C6
Gene No.	89165	Strand	+
Start	8340	End	11478
Name	OJ000350_64.0403.C6.o4.gs	Method	GENSCAN
Start	8340	End	11478
GI	none	Score	.49
Exons	8340..8455, 8464..9052, 9153..9295, 10061..10214, 11234..11351, 11417..11478		

Seq. No.	42740	Seq. ID	OJ000350_64.0403.C6
Gene No.	89166	Strand	-
Start	1155	End	2252
Name	OJ000350_64.0403.C6.o2.gs	Method	GENSCAN
Start	1155	End	2252
GI	none	Score	.82
Exons	1155..1749, 1817..1940, 2165..2252		

Seq. No.	42740	Seq. ID	OJ000350_64.0403.C6
Gene No.	89167	Strand	-
Start	7521	End	9332
Name	OJ000350_64.0403.C6.o1.np	Method	AAT/NAP
Start	7521	End	9332
GI	7329652	Score	77
Exons	7521..7564, 8709..9019, 9235..9332		
GI Descrip.	(AL162351) putative protein [Arabidopsis thaliana]		

Seq. No.	42740	Seq. ID	OJ000350_64.0403.C6
Gene No.	89168	Strand	-
Start	13731	End	14048
Name	OJ000350_64.0403.C6.o5.gs	Method	GENSCAN
Start	13731	End	14048
GI	none	Score	.78
Exons	13731..13833, 14005..14048		

Seq. No.	42741	Seq. ID	OJ000350_64.0403.C8
Gene No.	89169	Strand	-
Start	1	End	1875

Name	OJ000350_64.0403.C8.o1.np	Method	AAT/NAP
Start	1	End	1875
GI	5725518	Score	1602
Exons	1..157, 228..382, 472..708, 788..1026, 1116..1245, 1732..1875		
GI Descrip.	(AF073330) replication origin activator 2 [Zea mays]		

Seq. No.	42741	Seq. ID	OJ000350_64.0403.C8
Gene No.	89169	Strand	-
Start	1	End	1875
Name	OJ000350_64.0403.C8.o1.tw	Method	TBLASTX:Wheat
Start	1	End	155
GI	none	Score	212
Exons	1..42, 3..155, 5..151		

Seq. No.	42741	Seq. ID	OJ000350_64.0403.C8
Gene No.	89169	Strand	-
Start	1	End	1875
Name	OJ000350_64.0403.C8.o1.tc	Method	TBLASTX:Cress
Start	1	End	1873
GI	none	Score	158
Exons	1..159, 3..158, 5..178, 226..381, 227..382, 230..382, 310..420, 450..713, 472..711, 778..1041, 824..1027, 1114..1179, 1116..1202, 1196..1243, 1727..1873, 1731..1871		

Seq. No.	42741	Seq. ID	OJ000350_64.0403.C8
Gene No.	89169	Strand	-
Start	1	End	1875
Name	OJ000350_64.0403.C8.o1.tm	Method	TBLASTX:Maize
Start	1	End	901
GI	none	Score	211
Exons	1..42, 3..158, 5..154, 6..155, 226..381, 227..382, 227..385, 307..387, 450..713, 472..711, 472..717, 530..718, 778..900, 788..901, 795..899, 824..901		

Seq. No.	42741	Seq. ID	OJ000350_64.0403.C8
Gene No.	89169	Strand	-
Start	1	End	1875
Name	OJ000350_64.0403.C8.o2.ts	Method	TBLASTX:Soybean
Start	9	End	554
GI	none	Score	118
Exons	9..146, 10..144, 27..158, 220..381, 239..382, 465..554, 472..540		

Seq. No.	42741	Seq. ID	OJ000350_64.0403.C8
Gene No.	89169	Strand	-
Start	1	End	1875
Name	OJ000350_64.0403.C8.o1.gs	Method	GENSCAN
Start	51	End	1026
GI	none	Score	.8
Exons	51..181, 228..382, 472..708, 788..1026		

Seq. No.	42741	Seq. ID	OJ000350_64.0403.C8
Gene No.	89169	Strand	-
Start	1	End	1875
Name	OJ000350_64.0403.C8.o1.ts	Method	TBLASTX:Soybean
Start	558	End	1145
GI	none	Score	108
Exons	558..710, 558..713, 559..711, 778..948, 781..939, 788..952,		

827..949, 915..1028, 943..1032, 944..1057, 1116..1145

Seq. No.	42741	Seq. ID	OJ000350_64.0403.C8
Gene No.	89169	Strand	-
Start	1	End	1875
Name	OJ000350_64.0403.C8.o2.tm	Method	TBLASTX:Maize
Start	943	End	1871
GI	none	Score	132
Exons	943..1041, 944..1027, 1114..1203, 1114..1194, 1116..1202, 1188..1232, 1199..1243, 1727..1870, 1731..1871		

Seq. No.	42741	Seq. ID	OJ000350_64.0403.C8
Gene No.	89169	Strand	-
Start	1	End	1875
Name	OJ000350_64.0403.C8.o3.ts	Method	TBLASTX:Soybean
Start	1202	End	1873
GI	none	Score	142
Exons	1202..1243, 1727..1873, 1731..1871		

Seq. No.	42742	Seq. ID	OJ000350_64.0403.C10
Gene No.	89170	Strand	-
Start	371	End	814
Name	OJ000350_64.0403.C10.o1.np	Method	AAT/NAP
Start	371	End	814
GI	6815107	Score	296
Exons	371..550, 638..814		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	42743	Seq. ID	OJ000350_64.0403.C11
Gene No.	89171	Strand	+
Start	1	End	2598
Name	OJ000350_64.0403.C11.o1.np	Method	AAT/NAP
Start	1	End	1251
GI	5725520	Score	485
Exons	1..53, 97..277, 778..846, 949..1090, 1198..1251		
GI Descrip.	(AF073331) replication origin activator 3 [Zea mays]		

Seq. No.	42743	Seq. ID	OJ000350_64.0403.C11
Gene No.	89171	Strand	+
Start	1	End	2598
Name	OJ000350_64.0403.C11.o1.gs	Method	GENSCAN
Start	210	End	2598
GI	none	Score	.51
Exons	210..277, 778..846, 949..1067, 1746..1883, 2044..2114, 2185..2260, 2382..2423, 2522..2598		

Seq. No.	42743	Seq. ID	OJ000350_64.0403.C11
Gene No.	89171	Strand	+
Start	1	End	2598
Name	OJ000350_64.0403.C11.o1.gp	Method	AAT/GAP
Start	820	End	1506
GI	uC-osflcyp066a09a1	Score	916
Exons	820..846, 949..1090, 1198..1506		
GI Descrip.	'2497820/sp\|Q43704\|MCM3_MAIZE 1.0e-29 DNA REPLICATION LICENSING FACTOR MCM3 HOMOLOG (REPLICATION ORIGIN ACTIVATOR) (ROA PROTEIN) >gi_1076823_pir__S52247 probable replication origin activator		

protein ROA - maize (fragment) >gi_609290_emb_CAA82556_ (Z29368) ROA protein [Zea mays]'

Seq. No.	42743	Seq. ID	OJ000350_64.0403.C11
Gene No.	89172	Strand	-
Start	7739	End	9112
Name	OJ000350_64.0403.C11.o2.np	Method	AAT/NAP
Start	7739	End	9112
GI	7446373	Score	1620
Exons	7739..9112		
GI Descrip.	probable serine/threonine protein kinase (EC 2.7.1.-) SNFL3 - sorghum gi\|3256035\|emb\|CAA74646.1\| (Y14274) putative serine/threonine protein kinase [Sorghum bicolor]		

Seq. No.	42743	Seq. ID	OJ000350_64.0403.C11
Gene No.	89173	Strand	-
Start	14483	End	15498
Name	OJ000350_64.0403.C11.o2.tm	Method	TBLASTX:Maize
Start	111	End	1265
GI	none	Score	156
Exons	111..170, 113..172, 114..272, 115..234, 737..811, 775..810, 776..814, 800..850, 802..846, 946..1035, 947..1090, 947..1090, 1174..1257, 1186..1242, 1191..1265, 1191..1250		

Seq. No.	42743	Seq. ID	OJ000350_64.0403.C11
Gene No.	89173	Strand	-
Start	14483	End	15498
Name	OJ000350_64.0403.C11.o1.tm	Method	TBLASTX:Maize
Start	7791	End	15474
GI	none	Score	101
Exons	7791..7925, 7808..7924, 7919..8185, 7925..8020, 8004..8261, 8087..8221, 8264..9097, 8266..8325, 8310..9080, 8345..9100, 14535..14768, 14552..14758, 14832..15008, 14834..14980, 15023..15211, 15057..15203, 15092..15205, 15185..15388, 15205..15459, 15205..15339, 15206..15352, 15207..15467, 15382..15474, 15407..15469		

Seq. No.	42743	Seq. ID	OJ000350_64.0403.C11
Gene No.	89173	Strand	-
Start	14483	End	15498
Name	OJ000350_64.0403.C11.o1.ts	Method	TBLASTX:Soybean
Start	7808	End	15473
GI	none	Score	85
Exons	7808..7924, 7812..7916, 7925..8017, 7989..8186, 8084..8218, 8288..8899, 8310..8900, 8566..8901, 14552..14758, 14556..14933, 14816..14965, 15056..15211, 15057..15203, 15196..15459, 15201..15473, 15204..15467		

Seq. No.	42743	Seq. ID	OJ000350_64.0403.C11
Gene No.	89173	Strand	-
Start	14483	End	15498
Name	OJ000350_64.0403.C11.o1.tc	Method	TBLASTX:Cress
Start	7818	End	15470
GI	none	Score	69
Exons	7818..7916, 7820..7918, 7892..7954, 8010..8186, 8087..8221, 8309..9097, 8319..8672, 8651..9094, 14562..14660, 14564..14701, 14819..14968, 14823..14933, 14996..15211, 15066..15200,		

15201..15356, 15204..15467, 15208..15402, 15381..15470

Seq. No.	42743	Seq. ID	OJ000350_64.0403.C11
Gene No.	89173	Strand	-
Start	14483	End	15498
Name	OJ000350_64.0403.C11.o2.tw	Method	TBLASTX:Wheat
Start	8312	End	15242
GI	none	Score	49
Exons	8312..8512, 15059..15211, 15207..15242		

Seq. No.	42743	Seq. ID	OJ000350_64.0403.C11
Gene No.	89173	Strand	-
Start	14483	End	15498
Name	OJ000350_64.0403.C11.o1.tw	Method	TBLASTX:Wheat
Start	8657	End	15467
GI	none	Score	40
Exons	8657..8806, 8696..8770, 8805..8960, 8807..8959, 15387..15467		

Seq. No.	42743	Seq. ID	OJ000350_64.0403.C11
Gene No.	89173	Strand	-
Start	14483	End	15498
Name	OJ000350_64.0403.C11.o2.ts	Method	TBLASTX:Soybean
Start	8903	End	9115
GI	none	Score	161
Exons	8903..9115, 8904..9095		

Seq. No.	42743	Seq. ID	OJ000350_64.0403.C11
Gene No.	89173	Strand	-
Start	14483	End	15498
Name	OJ000350_64.0403.C11.o3.tm	Method	TBLASTX:Maize
Start	11724	End	11901
GI	none	Score	216
Exons	11724..11789, 11725..11901, 11847..11870		

Seq. No.	42743	Seq. ID	OJ000350_64.0403.C11
Gene No.	89173	Strand	-
Start	14483	End	15498
Name	OJ000350_64.0403.C11.o3.np	Method	AAT/NAP
Start	14483	End	15498
GI	7446373	Score	980
Exons	14483..15498		
GI Descrip.	probable serine/threonine protein kinase (EC 2.7.1.-) SNFL3 - sorghum gi\|3256035\|emb\|CAA74646.1\| (Y14274) putative serine/threonine protein kinase [Sorghum bicolor]		

Seq. No.	42744	Seq. ID	OJ000350_64.0403.C12
Gene No.	89174	Strand	+
Start	1	End	1197
Name	OJ000350_64.0403.C12.o1.np	Method	AAT/NAP
Start	1	End	1197
GI	7446373	Score	743
Exons	1..798, 1134..1197		
GI Descrip.	probable serine/threonine protein kinase (EC 2.7.1.-) SNFL3 - sorghum gi\|3256035\|emb\|CAA74646.1\| (Y14274) putative serine/threonine protein kinase [Sorghum bicolor]		

Seq. No.	42744	Seq. ID	OJ000350_64.0403.C12

Gene No.	89175	Strand	+
Start	1321	End	4420
Name	OJ000350_64.0403.C12.o1.gs	Method	GENSCAN
Start	1321	End	4420
GI	none	Score	.58
Exons	1321..1376, 1778..1996, 3433..3651, 4195..4420		

Seq. No.	42744	Seq. ID	OJ000350_64.0403.C12
Gene No.	89175	Strand	+
Start	1321	End	4420
Name	OJ000350_64.0403.C12.o2.np	Method	AAT/NAP
Start	2697	End	3374
GI	7446373	Score	809
Exons	2697..3374		
GI Descrip.	probable serine/threonine protein kinase (EC 2.7.1.-) SNFL3 - sorghum gi\|3256035\|emb\|CAA74646.1\| (Y14274) putative serine/threonine protein kinase [Sorghum bicolor]		

Seq. No.	42744	Seq. ID	OJ000350_64.0403.C12
Gene No.	89175	Strand	+
Start	1321	End	4420
Name	OJ000350_64.0403.C12.o3.np	Method	AAT/NAP
Start	2697	End	4032
GI	7446373	Score	1339
Exons	2697..4032		
GI Descrip.	probable serine/threonine protein kinase (EC 2.7.1.-) SNFL3 - sorghum gi\|3256035\|emb\|CAA74646.1\| (Y14274) putative serine/threonine protein kinase [Sorghum bicolor]		

Seq. No.	42744	Seq. ID	OJ000350_64.0403.C12
Gene No.	89176	Strand	-
Start	2534	End	5495
Name	OJ000350_64.0403.C12.o1.tc	Method	TBLASTX:Cress
Start	2	End	3953
GI	none	Score	296
Exons	2..202, 3..308, 6..272, 419..445, 437..589, 438..518, 664..786, 665..775, 1395..1763, 1413..1688, 1417..1761, 1776..1805, 1893..2021, 1928..1987, 2712..3095, 2714..3085, 2715..3146, 2845..3120, 3133..3255, 3149..3232, 3234..3299, 3235..3300, 3299..3427, 3303..3425, 3548..3643, 3583..3642, 3814..3951, 3855..3953		

Seq. No.	42744	Seq. ID	OJ000350_64.0403.C12
Gene No.	89176	Strand	-
Start	2534	End	5495
Name	OJ000350_64.0403.C12.o1.tm	Method	TBLASTX:Maize
Start	2	End	3963
GI	none	Score	322
Exons	2..202, 3..356, 6..275, 437..589, 438..512, 664..813, 665..796, 1395..1760, 1417..1764, 1880..1993, 1881..2021, 2698..2787, 2709..3131, 2712..3095, 2729..3154, 2729..3154, 3149..3232, 3150..3230, 3151..3255, 3204..3299, 3227..3298, 3234..3326, 3235..3300, 3302..3424, 3303..3428, 3303..3428, 3441..3503, 3508..3648, 3536..3649, 3560..3655, 3658..3963, 3732..3959		

Seq. No.	42744	Seq. ID	OJ000350_64.0403.C12
Gene No.	89176	Strand	-

Start	2534	End	5495
Name	OJ000350_64.0403.C12.o1.ts	Method	TBLASTX:Soybean
Start	2	End	3945
GI	none	Score	290
Exons	2..202, 3..317, 438..482, 658..771, 668..778, 674..778, 1395..1766, 1417..1767, 1764..1811, 1932..2012, 1934..2014, 2712..3095, 2729..3154, 2857..3147, 3149..3232, 3151..3231, 3235..3300, 3303..3428, 3317..3472, 3431..3466, 3587..3667, 3589..3654, 3769..3945, 3841..3945		

Seq. No.	42744	Seq. ID	OJ000350_64.0403.C12
Gene No.	89176	Strand	-
Start	2534	End	5495
Name	OJ000350_64.0403.C12.o4.np	Method	AAT/NAP
Start	2534	End	5495
GI	6721519	Score	217
Exons	2534..2569, 5021..5159, 5381..5495		
GI Descrip.	(AP001072) EST AU082116(E4026) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42744	Seq. ID	OJ000350_64.0403.C12
Gene No.	89176	Strand	-
Start	2534	End	5495
Name	OJ000350_64.0403.C12.o1.tw	Method	TBLASTX:Wheat
Start	2727	End	2918
GI	none	Score	190
Exons	2727..2918, 2846..2905		

Seq. No.	42744	Seq. ID	OJ000350_64.0403.C12
Gene No.	89176	Strand	-
Start	2534	End	5495
Name	OJ000350_64.0403.C12.o2.gs	Method	GENSCAN
Start	5011	End	5491
GI	none	Score	.71
Exons	5011..5159, 5425..5491		

Seq. No.	42745	Seq. ID	OJ000350_64.0403.C13
Gene No.	89177	Strand	+
Start	573	End	1459
Name	OJ000350_64.0403.C13.o1.gs	Method	GENSCAN
Start	573	End	1459
GI	none	Score	.51
Exons	573..660, 666..755, 1359..1459		

Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89178	Strand	+
Start	1071	End	1132
Name	OJ000350_64.0403.C14.o1.gp	Method	AAT/GAP
Start	1071	End	1132
GI	4715947	Score	74
Exons	1071..1132		
GI Descrip.	2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]		

Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89179	Strand	+
Start	14003	End	14638
Name	OJ000350_64.0403.C14.o3.gs	Method	GENSCAN
Start	14003	End	14638
GI	none	Score	.61
Exons	14003..14096, 14121..14308, 14546..14638		

Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89180	Strand	+
Start	16273	End	18488
Name	OJ000350_64.0403.C14.o2.gp	Method	AAT/GAP
Start	16206	End	16702
GI	none	Score	982
Exons	16206..16702		

Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89180	Strand	+
Start	16273	End	18488
Name	OJ000350_64.0403.C14.o3.np	Method	AAT/NAP
Start	16271	End	18318
GI	7329656	Score	1213
Exons	16271..18318		
GI Descrip.	(AL162351) putative protein [Arabidopsis thaliana]		

Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89180	Strand	+
Start	16273	End	18488
Name	OJ000350_64.0403.C14.o4.gs	Method	GENSCAN
Start	16273	End	18306
GI	none	Score	1
Exons	16273..18306		

Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89180	Strand	+
Start	16273	End	18488
Name	OJ000350_64.0403.C14.o4.gp	Method	AAT/GAP
Start	18214	End	18488
GI	3444999	Score	391
Exons	18214..18488		
GI Descrip.	58066/emb\|X52324\|ARBLSKM 1.0e-85 pBluescript SK(-) vector DNA, phagemid excised from lambda ZAP		

Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89181	Strand	+
Start	24048	End	24449
Name	OJ000350_64.0403.C14.o4.np	Method	AAT/NAP
Start	24048	End	24449
GI	7523501	Score	271
Exons	24048..24299, 24325..24449		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89182	Strand	-
Start	67	End	1890
Name	OJ000350_64.0403.C14.o1.gs	Method	GENSCAN
Start	67	End	1890

GI	none	Score	.68
Exons	67..132, 1813..1890		

Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89182	Strand	-
Start	67	End	1890
Name	OJ000350_64.0403.C14.o1.np	Method	AAT/NAP
Start	822	End	940
GI	7106528	Score	122
Exons	822..940		
GI Descrip.	(AP001278) EST D40774(S2920) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89183	Strand	-
Start	3260	End	11932
Name	OJ000350_64.0403.C14.o2.gs	Method	GENSCAN
Start	3260	End	11932
GI	none	Score	.51
Exons	3260..3387, 3573..3608, 3813..4143, 4234..4347, 4912..5029, 5132..5195, 5535..5727, 5732..5807, 5827..6015, 6100..6197, 8080..9565, 9812..10010, 10395..11481, 11593..11876, 11911..11932		

Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89183	Strand	-
Start	3260	End	11932
Name	OJ000350_64.0403.C14.o2.np	Method	AAT/NAP
Start	7494	End	11841
GI	7444451	Score	4335
Exons	7494..9430, 9482..11841		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi\|2586082\|gb\|AAB82754.1\| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89184	Strand	-
Start	17291	End	18069
Name	OJ000350_64.0403.C14.o3.gp	Method	AAT/GAP
Start	17291	End	18069
GI	57041_1.R1084	Score	1447
Exons	17291..18069		
GI Descrip.	'58066/emb\|X52324\|ARBLSKM 1.0e-85 pBluescript SK(-) vector DNA, phagemid excised from lambda ZAP'		

Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89185	Strand	-
Start	26217	End	30652
Name	OJ000350_64.0403.C14.o5.tm	Method	TBLASTX:Maize
Start	7503	End	8154
GI	none	Score	37
Exons	7503..7721, 7540..7575, 7624..7716, 7756..8154, 7760..8152		

Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89185	Strand	-
Start	26217	End	30652
Name	OJ000350_64.0403.C14.o1.ts	Method	TBLASTX:Soybean

Start	7545	End	8142
GI	none	Score	70
Exons	7545..7769, 7552..7680, 7756..8142, 7760..7948, 8012..8140		

Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89185	Strand	-
Start	26217	End	30652
Name	OJ000350_64.0403.C14.o2.tw	Method	TBLASTX:Wheat
Start	7906	End	8340
GI	none	Score	191
Exons	7906..8340, 7907..8323		

Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89185	Strand	-
Start	26217	End	30652
Name	OJ000350_64.0403.C14.o5.tc	Method	TBLASTX:Cress
Start	8215	End	8457
GI	none	Score	189
Exons	8215..8457		

Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89185	Strand	-
Start	26217	End	30652
Name	OJ000350_64.0403.C14.o2.tm	Method	TBLASTX:Maize
Start	8278	End	8724
GI	none	Score	402
Exons	8278..8724		

Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89185	Strand	-
Start	26217	End	30652
Name	OJ000350_64.0403.C14.o5.tw	Method	TBLASTX:Wheat
Start	8347	End	8857
GI	none	Score	93
Exons	8347..8520, 8506..8841, 8512..8856, 8648..8857		

Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89185	Strand	-
Start	26217	End	30652
Name	OJ000350_64.0403.C14.o2.ts	Method	TBLASTX:Soybean
Start	8536	End	9024
GI	5509260	Score	68
Exons	8536..9024, 8548..8703, 8738..8887		
GI Descrip.	-		

Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89185	Strand	-
Start	26217	End	30652
Name	OJ000350_64.0403.C14.o2.tc	Method	TBLASTX:Cress
Start	8638	End	8908
GI	none	Score	138
Exons	8638..8907, 8657..8908		

Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89185	Strand	-
Start	26217	End	30652
Name	OJ000350_64.0403.C14.o8.tm	Method	TBLASTX:Maize

Start	8728	End	8985
GI	none	Score	100
Exons	8728..8985, 8768..8977		

Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89185	Strand	-
Start	26217	End	30652
Name	OJ000350_64.0403.C14.o6.tw	Method	TBLASTX:Wheat
Start	9590	End	9975
GI	none	Score	144
Exons	9590..9973, 9628..9975		

Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89185	Strand	-
Start	26217	End	30652
Name	OJ000350_64.0403.C14.o1.tc	Method	TBLASTX:Cress
Start	9628	End	10092
GI	none	Score	49
Exons	9628..10092, 9629..9868, 9890..10075		

Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89185	Strand	-
Start	26217	End	30652
Name	OJ000350_64.0403.C14.o4.ts	Method	TBLASTX:Soybean
Start	9646	End	10065
GI	none	Score	266
Exons	9646..10065		

Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89185	Strand	-
Start	26217	End	30652
Name	OJ000350_64.0403.C14.o6.tm	Method	TBLASTX:Maize
Start	9658	End	10083
GI	none	Score	87
Exons	9658..10017, 9698..9973, 9994..10083		

Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89185	Strand	-
Start	26217	End	30652
Name	OJ000350_64.0403.C14.o7.tm	Method	TBLASTX:Maize
Start	10567	End	10869
GI	none	Score	98
Exons	10567..10869, 10597..10869		

Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89185	Strand	-
Start	26217	End	30652
Name	OJ000350_64.0403.C14.o3.tw	Method	TBLASTX:Wheat
Start	10574	End	10928
GI	none	Score	247
Exons	10574..10927, 10579..10926, 10581..10928		

Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89185	Strand	-
Start	26217	End	30652
Name	OJ000350_64.0403.C14.o4.tc	Method	TBLASTX:Cress
Start	11257	End	11778

GI	none	Score	72
Exons	11257..11631, 11677..11778		
Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89185	Strand	-
Start	26217	End	30652
Name	OJ000350_64.0403.C14.o3.tm	Method	TBLASTX:Maize
Start	11335	End	11755
GI	none	Score	75
Exons	11335..11640, 11390..11494, 11549..11632, 11644..11754, 11681..11755		
Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89185	Strand	-
Start	26217	End	30652
Name	OJ000350_64.0403.C14.o7.tw	Method	TBLASTX:Wheat
Start	11335	End	11757
GI	none	Score	81
Exons	11335..11490, 11542..11631, 11656..11757		
Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89185	Strand	-
Start	26217	End	30652
Name	OJ000350_64.0403.C14.o10.tm	Method	TBLASTX:Maize
Start	16450	End	16692
GI	none	Score	62
Exons	16450..16497, 16450..16491, 16452..16496, 16504..16641, 16506..16580, 16534..16692, 16568..16669		
Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89185	Strand	-
Start	26217	End	30652
Name	OJ000350_64.0403.C14.o1.tm	Method	TBLASTX:Maize
Start	16750	End	17400
GI	none	Score	341
Exons	16750..17049, 16764..16805, 16918..17031, 16950..17051, 17102..17176, 17103..17348, 17106..17399, 17107..17400		
Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89185	Strand	-
Start	26217	End	30652
Name	OJ000350_64.0403.C14.o4.tw	Method	TBLASTX:Wheat
Start	16962	End	17279
GI	none	Score	88
Exons	16962..17018, 16963..17019, 17102..17278, 17106..17279, 17110..17277		
Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89185	Strand	-
Start	26217	End	30652
Name	OJ000350_64.0403.C14.o3.tc	Method	TBLASTX:Cress
Start	17106	End	17298
GI	none	Score	237
Exons	17106..17297, 17107..17298		
Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89185	Strand	-

Start	26217	End	30652
Name	OJ000350_64.0403.C14.o3.ts	Method	TBLASTX:Soybean
Start	17106	End	17769
GI	none	Score	222
Exons	17106..17309, 17107..17313, 17431..17640, 17439..17627, 17494..17646, 17700..17735, 17701..17769		

Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89185	Strand	-
Start	26217	End	30652
Name	OJ000350_64.0403.C14.o1.tw	Method	TBLASTX:Wheat
Start	17280	End	17699
GI	none	Score	91
Exons	17280..17354, 17280..17699, 17281..17697		

Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89185	Strand	-
Start	26217	End	30652
Name	OJ000350_64.0403.C14.o9.tm	Method	TBLASTX:Maize
Start	17466	End	17721
GI	none	Score	205
Exons	17466..17720, 17467..17721		

Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89185	Strand	-
Start	26217	End	30652
Name	OJ000350_64.0403.C14.o4.tm	Method	TBLASTX:Maize
Start	17722	End	18131
GI	none	Score	72
Exons	17722..17895, 17724..17765, 17727..18131, 17728..18066		

Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89185	Strand	-
Start	26217	End	30652
Name	OJ000350_64.0403.C14.o5.np	Method	AAT/NAP
Start	26175	End	30652
GI	7485548	Score	114
Exons	26175..26411, 30553..30652		
GI Descrip.	hypothetical protein F16B22.7 - Arabidopsis thaliana gi\|3341678\|gb\|AAC27460.1\| (AC003672) putative C3HC4-type RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	42746	Seq. ID	OJ000350_64.0403.C14
Gene No.	89185	Strand	-
Start	26217	End	30652
Name	OJ000350_64.0403.C14.o6.gs	Method	GENSCAN
Start	26217	End	28630
GI	none	Score	.49
Exons	26217..26660, 27439..27499, 28149..28630		

Seq. No.	42747	Seq. ID	OJ000350_64.0403.C15
Gene No.	89186	Strand	+
Start	1	End	764
Name	OJ000350_64.0403.C15.o1.np	Method	AAT/NAP
Start	1	End	749
GI	1946376	Score	209
Exons	1..56, 411..749		

GI Descrip. (U93215) unknown protein [Arabidopsis thaliana]

Seq. No.	42747	Seq. ID	OJ000350_64.0403.C15
Gene No.	89186	Strand	+
Start	1	End	764
Name	OJ000350_64.0403.C15.o1.gs	Method	GENSCAN
Start	96	End	764
GI	none	Score	.95
Exons	96..764		

Seq. No.	42747	Seq. ID	OJ000350_64.0403.C15
Gene No.	89186	Strand	+
Start	1	End	764
Name	OJ000350_64.0403.C15.o1.tc	Method	TBLASTX:Cress
Start	545	End	737
GI	none	Score	226
Exons	545..628, 546..737, 702..728		

Seq. No.	42748	Seq. ID	OJ000350_64.0403.C16
Gene No.	89187	Strand	+
Start	1	End	3222
Name	OJ000350_64.0403.C16.o1.np	Method	AAT/NAP
Start	1	End	2876
GI	7228442	Score	991
Exons	1..1077, 2854..2876		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	42748	Seq. ID	OJ000350_64.0403.C16
Gene No.	89187	Strand	+
Start	1	End	3222
Name	OJ000350_64.0403.C16.o1.gs	Method	GENSCAN
Start	54	End	3222
GI	none	Score	.72
Exons	54..1093, 1186..1453, 1708..1939, 2005..2085, 2340..2507, 3164..3222		

Seq. No.	42748	Seq. ID	OJ000350_64.0403.C16
Gene No.	89188	Strand	+
Start	7208	End	12638
Name	OJ000350_64.0403.C16.o2.tm	Method	TBLASTX:Maize
Start	92	End	674
GI	none	Score	122
Exons	92..214, 93..245, 245..550, 246..554, 594..674, 596..622		

Seq. No.	42748	Seq. ID	OJ000350_64.0403.C16
Gene No.	89188	Strand	+
Start	7208	End	12638
Name	OJ000350_64.0403.C16.o1.tw	Method	TBLASTX:Wheat
Start	383	End	770
GI	none	Score	184
Exons	383..532, 384..560, 384..533, 573..770, 581..628, 585..674, 607..693		

Seq. No.	42748	Seq. ID	OJ000350_64.0403.C16
Gene No.	89188	Strand	+

Start	7208	End	12638
Name	OJ000350_64.0403.C16.o3.gs	Method	GENSCAN
Start	7208	End	12407
GI	none	Score	.63
Exons	7208..7323, 10572..10899, 12177..12407		

Seq. No.	42748	Seq. ID	OJ000350_64.0403.C16
Gene No.	89188	Strand	+
Start	7208	End	12638
Name	OJ000350_64.0403.C16.o2.np	Method	AAT/NAP
Start	10654	End	12638
GI	6403506	Score	431
Exons	10654..10899, 12177..12638		
GI Descrip.	(AC010871) putative aminotransferase [Arabidopsis thaliana]		

Seq. No.	42748	Seq. ID	OJ000350_64.0403.C16
Gene No.	89188	Strand	+
Start	7208	End	12638
Name	OJ000350_64.0403.C16.o1.gp	Method	AAT/GAP
Start	10737	End	12414
GI	56793_1.R1084	Score	736
Exons	10737..10899, 12177..12414		
GI Descrip.	'2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'		

Seq. No.	42748	Seq. ID	OJ000350_64.0403.C16
Gene No.	89188	Strand	+
Start	7208	End	12638
Name	OJ000350_64.0403.C16.o1.tm	Method	TBLASTX:Maize
Start	10783	End	12414
GI	none	Score	204
Exons	10783..10902, 10827..10898, 12176..12409, 12177..12410, 12177..12407, 12178..12414		

Seq. No.	42748	Seq. ID	OJ000350_64.0403.C16
Gene No.	89188	Strand	+
Start	7208	End	12638
Name	OJ000350_64.0403.C16.o1.ts	Method	TBLASTX:Soybean
Start	10783	End	12413
GI	none	Score	130
Exons	10783..10902, 12176..12412, 12177..12413		

Seq. No.	42748	Seq. ID	OJ000350_64.0403.C16
Gene No.	89188	Strand	+
Start	7208	End	12638
Name	OJ000350_64.0403.C16.o1.tc	Method	TBLASTX:Cress
Start	10786	End	12378
GI	none	Score	131
Exons	10786..10902, 12177..12377, 12177..12377, 12193..12378		

Seq. No.	42748	Seq. ID	OJ000350_64.0403.C16
Gene No.	89188	Strand	+
Start	7208	End	12638
Name	OJ000350_64.0403.C16.o2.tw	Method	TBLASTX:Wheat

Start	12239	End	12410
GI	none	Score	225
Exons	12239..12409, 12240..12410		

Seq. No.	42749	Seq. ID	OJ000350_66.0407.C4
Gene No.	89189	Strand	+
Start	1	End	1444
Name	OJ000350_66.0407.C4.o1.np	Method	AAT/NAP
Start	1	End	1444
GI	7340881	Score	97
Exons	1..227, 333..365, 1412..1444		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	42749	Seq. ID	OJ000350_66.0407.C4
Gene No.	89189	Strand	+
Start	1	End	1444
Name	OJ000350_66.0407.C4.o2.np	Method	AAT/NAP
Start	929	End	1444
GI	7106512	Score	187
Exons	929..989, 1062..1170, 1405..1444		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42750	Seq. ID	OJ000350_66.0407.C5
Gene No.	89190	Strand	+
Start	1	End	720
Name	OJ000350_66.0407.C5.o1.np	Method	AAT/NAP
Start	1	End	720
GI	7248395	Score	767
Exons	1..720		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	42750	Seq. ID	OJ000350_66.0407.C5
Gene No.	89190	Strand	+
Start	1	End	720
Name	OJ000350_66.0407.C5.o1.gs	Method	GENSCAN
Start	36	End	681
GI	none	Score	.85
Exons	36..681		

Seq. No.	42751	Seq. ID	OJ000350_66.0407.C7
Gene No.	89191	Strand	+
Start	344	End	1500
Name	OJ000350_66.0407.C7.o1.np	Method	AAT/NAP
Start	344	End	1500
GI	7523517	Score	142
Exons	344..650, 1417..1500		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	42751	Seq. ID	OJ000350_66.0407.C7
Gene No.	89192	Strand	-
Start	1	End	1500
Name	OJ000350_66.0407.C7.o2.np	Method	AAT/NAP
Start	1	End	1500
GI	6721512	Score	55
Exons	1..50, 735..821, 1046..1089, 1459..1500		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	42752	Seq. ID	OJ000350_66.0407.C8
Gene No.	89193	Strand	+
Start	166	End	1739
Name	OJ000350_66.0407.C8.o1.gs	Method	GENSCAN
Start	166	End	1721
GI	none	Score	.69
Exons	166..216, 385..1035, 1077..1146, 1175..1721		

Seq. No.	42752	Seq. ID	OJ000350_66.0407.C8
Gene No.	89193	Strand	+
Start	166	End	1739
Name	OJ000350_66.0407.C8.o1.tw	Method	TBLASTX:Wheat
Start	340	End	795
GI	none	Score	545
Exons	340..780, 343..795, 354..794		

Seq. No.	42752	Seq. ID	OJ000350_66.0407.C8
Gene No.	89193	Strand	+
Start	166	End	1739
Name	OJ000350_66.0407.C8.o2.ts	Method	TBLASTX:Soybean
Start	379	End	744
GI	none	Score	97
Exons	379..603, 610..744		

Seq. No.	42752	Seq. ID	OJ000350_66.0407.C8
Gene No.	89193	Strand	+
Start	166	End	1739
Name	OJ000350_66.0407.C8.o1.np	Method	AAT/NAP
Start	394	End	1739
GI	5902445	Score	1524
Exons	394..1739		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	42752	Seq. ID	OJ000350_66.0407.C8
Gene No.	89193	Strand	+
Start	166	End	1739
Name	OJ000350_66.0407.C8.o1.tm	Method	TBLASTX:Maize
Start	469	End	825
GI	none	Score	420
Exons	469..825, 510..824, 535..825		

Seq. No.	42752	Seq. ID	OJ000350_66.0407.C8
Gene No.	89193	Strand	+
Start	166	End	1739
Name	OJ000350_66.0407.C8.o2.tm	Method	TBLASTX:Maize
Start	853	End	1236
GI	none	Score	307
Exons	853..1236, 887..1069, 957..1235		

Seq. No.	42752	Seq. ID	OJ000350_66.0407.C8
Gene No.	89193	Strand	+
Start	166	End	1739
Name	OJ000350_66.0407.C8.o2.tw	Method	TBLASTX:Wheat
Start	910	End	1334
GI	none	Score	448
Exons	910..1332, 950..1051, 957..1334		

Seq. No.	42752	Seq. ID	OJ000350_66.0407.C8
Gene No.	89193	Strand	+
Start	166	End	1739
Name	OJ000350_66.0407.C8.o1.ts	Method	TBLASTX:Soybean
Start	964	End	1389
GI	none	Score	283
Exons	964..1389, 996..1148		

Seq. No.	42752	Seq. ID	OJ000350_66.0407.C8
Gene No.	89193	Strand	+
Start	166	End	1739
Name	OJ000350_66.0407.C8.o3.tw	Method	TBLASTX:Wheat
Start	1399	End	1644
GI	none	Score	242
Exons	1399..1644, 1413..1628		

Seq. No.	42753	Seq. ID	OJ000350_66.0407.C9
Gene No.	89194	Strand	+
Start	1	End	1220
Name	OJ000350_66.0407.C9.o1.np	Method	AAT/NAP
Start	1	End	1217
GI	5902445	Score	1225
Exons	1..1217		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	42753	Seq. ID	OJ000350_66.0407.C9
Gene No.	89194	Strand	+
Start	1	End	1220
Name	OJ000350_66.0407.C9.o1.gs	Method	GENSCAN
Start	54	End	1220
GI	none	Score	.91
Exons	54..1220		

Seq. No.	42753	Seq. ID	OJ000350_66.0407.C9
Gene No.	89194	Strand	+
Start	1	End	1220
Name	OJ000350_66.0407.C9.o1.tm	Method	TBLASTX:Maize
Start	93	End	398
GI	none	Score	363
Exons	93..398, 110..397		

Seq. No.	42753	Seq. ID	OJ000350_66.0407.C9
Gene No.	89194	Strand	+
Start	1	End	1220
Name	OJ000350_66.0407.C9.o2.tw	Method	TBLASTX:Wheat
Start	93	End	476
GI	none	Score	366
Exons	93..476, 101..475		

Seq. No.	42753	Seq. ID	OJ000350_66.0407.C9
Gene No.	89194	Strand	+
Start	1	End	1220
Name	OJ000350_66.0407.C9.o1.tw	Method	TBLASTX:Wheat
Start	600	End	1208
GI	none	Score	340
Exons	600..1052, 614..700, 749..856, 1077..1208, 1082..1204		

Seq. No.	42753	Seq. ID	OJ000350_66.0407.C9
Gene No.	89194	Strand	+
Start	1	End	1220
Name	OJ000350_66.0407.C9.o2.tm	Method	TBLASTX:Maize
Start	906	End	1172
GI	none	Score	141
Exons	906..1088, 1089..1172		

Seq. No.	42754	Seq. ID	OJ000350_66.0407.C10
Gene No.	89195	Strand	-
Start	1	End	1396
Name	OJ000350_66.0407.C10.o1.np	Method	AAT/NAP
Start	1	End	1234
GI	6721561	Score	360
Exons	1..202, 273..331, 404..583, 1166..1234		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42754	Seq. ID	OJ000350_66.0407.C10
Gene No.	89195	Strand	-
Start	1	End	1396
Name	OJ000350_66.0407.C10.o3.np	Method	AAT/NAP
Start	1	End	1396
GI	6907089	Score	261
Exons	1..106, 861..1396		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	42754	Seq. ID	OJ000350_66.0407.C10
Gene No.	89195	Strand	-
Start	1	End	1396
Name	OJ000350_66.0407.C10.o2.np	Method	AAT/NAP
Start	1	End	774
GI	6721558	Score	97
Exons	1..112, 650..774		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815083\|dbj\|BAA90369.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	42754	Seq. ID	OJ000350_66.0407.C10
Gene No.	89195	Strand	-
Start	1	End	1396
Name	OJ000350_66.0407.C10.o1.gs	Method	GENSCAN
Start	31	End	1313
GI	none	Score	.93
Exons	31..202, 273..331, 365..538, 650..774, 855..1069, 1122..1313		

Seq. No.	42755	Seq. ID	OJ000350_66.0407.C14
Gene No.	89196	Strand	+
Start	703	End	769
Name	OJ000350_66.0407.C14.o1.gp	Method	AAT/GAP
Start	703	End	769
GI	23232_1.R1084	Score	88
Exons	703..769		

GI Descrip. '4544372/gb|AAD22283.1|AC006920_7 6.0e-26 (AC006920) putative reverse transcriptase [Arabidopsis thaliana]'

Seq. No.	42756	Seq. ID	OJ000350_66.0407.C28
Gene No.	89197	Strand	-
Start	73	End	703
Name	OJ000350_66.0407.C28.o1.gs	Method	GENSCAN
Start	73	End	641
GI	none	Score	.62
Exons	73..218, 335..641		

Seq. No.	42756	Seq. ID	OJ000350_66.0407.C28
Gene No.	89197	Strand	-
Start	73	End	703
Name	OJ000350_66.0407.C28.o1.np	Method	AAT/NAP
Start	334	End	703
GI	6721561	Score	371
Exons	334..703		

GI Descrip. (AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	42757	Seq. ID	OJ000350_66.0407.C35
Gene No.	89198	Strand	-
Start	255	End	2851
Name	OJ000350_66.0407.C35.o1.gs	Method	GENSCAN
Start	255	End	2851
GI	none	Score	.89
Exons	255..379, 1009..1051, 2343..2560, 2641..2851		

Seq. No.	42757	Seq. ID	OJ000350_66.0407.C35
Gene No.	89198	Strand	-
Start	255	End	2851
Name	OJ000350_66.0407.C35.o1.np	Method	AAT/NAP
Start	255	End	2842
GI	4204261	Score	319
Exons	255..391, 1024..1158, 1895..2063, 2331..2560, 2641..2842		

GI Descrip. (AC005223) 27887 [Arabidopsis thaliana]

Seq. No.	42757	Seq. ID	OJ000350_66.0407.C35
Gene No.	89198	Strand	-
Start	255	End	2851
Name	OJ000350_66.0407.C35.o1.gp	Method	AAT/GAP
Start	1009	End	1089
GI	2800823	Score	107
Exons	1009..1089		

GI Descrip. 4204261 1.0e-10 (AC005223) 27887 [Arabidopsis thaliana]

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89199	Strand	+
Start	1	End	1845
Name	OJ000350_66.0407.C36.o1.np	Method	AAT/NAP
Start	1	End	1845
GI	7487170	Score	624
Exons	1..152, 611..719, 827..1144, 1233..1429, 1524..1845		

GI Descrip.	hypothetical protein T19F6.130 - Arabidopsis thaliana gi\|2262103\|gb\|AAB63611.1\| (AC002343) unknown protein [Arabidopsis thaliana] gi\|5668642\|emb\|CAB51657.1\| (AL109619) putative protein [Arabidopsis thaliana] gi\|7269263\|emb\|CAB81332.1\| (AL161560) putative protein [Arabidopsis thaliana]		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89200	Strand	+
Start	11859	End	17717
Name	OJ000350_66.0407.C36.o3.gs	Method	GENSCAN
Start	11859	End	17717
GI	none	Score	.43
Exons	11859..12037, 12124..12241, 12335..12435, 13373..13414, 13493..13739, 14451..14636, 14729..15026, 15675..16120, 16592..17242, 17529..17717		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89201	Strand	+
Start	20622	End	22967
Name	OJ000350_66.0407.C36.o4.np	Method	AAT/NAP
Start	20035	End	22901
GI	7435663	Score	1340
Exons	20035..20079, 20726..22901		
GI Descrip.	subtilisin-like proteinase (EC 3.4.21.-) - tomato gi\|1524115\|emb\|CAA64566.1\| (X95270) subtilisin-like endoprotease [Lycopersicon esculentum] gi\|4200334\|emb\|CAA76724.1\| (Y17275) P69A protein [Lycopersicon esculentum]		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89201	Strand	+
Start	20622	End	22967
Name	OJ000350_66.0407.C36.o4.gs	Method	GENSCAN
Start	20622	End	22967
GI	none	Score	.89
Exons	20622..22967		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89202	Strand	+
Start	24308	End	28079
Name	OJ000350_66.0407.C36.o5.gs	Method	GENSCAN
Start	24308	End	28079
GI	none	Score	.53
Exons	24308..24380, 26482..26525, 27873..28079		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89203	Strand	+
Start	35661	End	36120
Name	OJ000350_66.0407.C36.o2.gp	Method	AAT/GAP
Start	33145	End	33726
GI	LIB3434-035-P1-K1-A7	Score	456
Exons	33145..33414, 33701..33726		
GI Descrip.	'5441876/dbj\|AP000367.1\|AP000367 1.0e-114 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89203	Strand	+

Start	35661	End	36120
Name	OJ000350_66.0407.C36.o5.np	Method	AAT/NAP
Start	35642	End	36120
GI	6739278	Score	97
Exons	35642..35852, 36093..36120		
GI Descrip.	(AF093545) abscisic acid responsive elements-binding factor [Arabidopsis thaliana]		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89203	Strand	+
Start	35661	End	36120
Name	OJ000350_66.0407.C36.o6.gs	Method	GENSCAN
Start	35661	End	36107
GI	none	Score	.59
Exons	35661..36107		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89203	Strand	+
Start	35661	End	36120
Name	OJ000350_66.0407.C36.o3.gp	Method	AAT/GAP
Start	35693	End	35937
GI	LIB3434-021-P1-K1-G7	Score	431
Exons	35693..35937		
GI Descrip.	'4204261 1.0e-10 (AC005223) 27887 [Arabidopsis thaliana]'		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89204	Strand	-
Start	3114	End	3229
Name	OJ000350_66.0407.C36.o2.np	Method	AAT/NAP
Start	3114	End	3229
GI	7485509	Score	113
Exons	3114..3229		
GI Descrip.	hypothetical protein F15B8.40 - Arabidopsis thaliana gi\|4678270\|emb\|CAB41178.1\| (AL049660) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89205	Strand	-
Start	5359	End	8313
Name	OJ000350_66.0407.C36.o7.tm	Method	TBLASTX:Maize
Start	606	End	1081
GI	none	Score	73
Exons	606..710, 835..882, 836..883, 923..1081, 925..1017		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89205	Strand	-
Start	5359	End	8313
Name	OJ000350_66.0407.C36.o7.tc	Method	TBLASTX:Cress
Start	851	End	1077
GI	none	Score	53
Exons	851..883, 905..1075, 922..1077		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89205	Strand	-
Start	5359	End	8313
Name	OJ000350_66.0407.C36.o8.tm	Method	TBLASTX:Maize
Start	1109	End	1433

GI	none	Score	42
Exons	1109..1144, 1254..1433, 1302..1433		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89205	Strand	-
Start	5359	End	8313
Name	OJ000350_66.0407.C36.o4.tc	Method	TBLASTX:Cress
Start	1254	End	1830
GI	none	Score	162
Exons	1254..1421, 1257..1427, 1525..1644, 1663..1830		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89205	Strand	-
Start	5359	End	8313
Name	OJ000350_66.0407.C36.o9.tm	Method	TBLASTX:Maize
Start	1523	End	1830
GI	none	Score	78
Exons	1523..1606, 1537..1644, 1563..1643, 1662..1784, 1663..1830, 1675..1830		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89205	Strand	-
Start	5359	End	8313
Name	OJ000350_66.0407.C36.o6.tm	Method	TBLASTX:Maize
Start	3174	End	3357
GI	none	Score	159
Exons	3174..3353, 3175..3357, 3175..3354		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89205	Strand	-
Start	5359	End	8313
Name	OJ000350_66.0407.C36.o5.ts	Method	TBLASTX:Soybean
Start	3178	End	3349
GI	none	Score	100
Exons	3178..3264, 3179..3265, 3179..3265, 3239..3349, 3240..3347		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89205	Strand	-
Start	5359	End	8313
Name	OJ000350_66.0407.C36.o3.np	Method	AAT/NAP
Start	5359	End	8241
GI	4239845	Score	1141
Exons	5359..5389, 6922..8241		
GI Descrip.	(AB015855) transcription factor TEIL [Nicotiana tabacum]		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89205	Strand	-
Start	5359	End	8313
Name	OJ000350_66.0407.C36.o1.gp	Method	AAT/GAP
Start	6325	End	7117
GI	76990_1.R1084	Score	1536
Exons	6325..7117		
GI Descrip.	'2224933 6.0e-10 (AF004216) ethylene-insensitive3 [Arabidopsis thaliana] >gi_2224935 (AF004217) ethylene-insensitive3 [Arabidopsis thaliana]'		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36

Gene No.	89205	Strand	-
Start	5359	End	8313
Name	OJ000350_66.0407.C36.o1.tm	Method	TBLASTX:Maize
Start	6525	End	8082
GI	none	Score	49
Exons	6525..6584, 6553..6573, 6625..6726, 6634..6729, 6781..6864, 6859..6885, 6874..7017, 6944..7141, 7048..7143, 7201..7233, 7253..7630, 7306..7683, 7591..7677, 7735..7944, 7736..7966, 8029..8082		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89205	Strand	-
Start	5359	End	8313
Name	OJ000350_66.0407.C36.o2.gs	Method	GENSCAN
Start	6553	End	8313
GI	none	Score	.41
Exons	6553..8313		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89205	Strand	-
Start	5359	End	8313
Name	OJ000350_66.0407.C36.o1.tc	Method	TBLASTX:Cress
Start	6778	End	8082
GI	none	Score	319
Exons	6778..6879, 6916..7011, 7204..7242, 7265..7630, 7321..7683, 7735..7944, 7748..7966, 8032..8082		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89205	Strand	-
Start	5359	End	8313
Name	OJ000350_66.0407.C36.o1.ts	Method	TBLASTX:Soybean
Start	6916	End	8082
GI	none	Score	351
Exons	6916..7017, 7055..7084, 7271..7630, 7315..7683, 7735..7944, 7736..7966, 8038..8082		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89206	Strand	
Start	13455	End	13889
Name	OJ000350_66.0407.C36.o5.tc	Method	TBLASTX:Cress
Start	13455	End	13747
GI	none	Score	166
Exons	13455..13646, 13490..13615, 13644..13742, 13652..13747		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89206	Strand	
Start	13455	End	13889
Name	OJ000350_66.0407.C36.o5.tm	Method	TBLASTX:Maize
Start	13487	End	13742
GI	none	Score	110
Exons	13487..13561, 13491..13562, 13548..13742, 13554..13742		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89206	Strand	
Start	13455	End	13889
Name	OJ000350_66.0407.C36.o4.ts	Method	TBLASTX:Soybean
Start	13490	End	13889

GI	none	Score	241
Exons	13490..13615, 13491..13742, 13491..13667, 13658..13747, 13836..13889		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89207	Strand	
Start	14478	End	22886
Name	OJ000350_66.0407.C36.o3.ts	Method	TBLASTX:Soybean
Start	14478	End	15105
GI	none	Score	73
Exons	14478..14585, 14726..15094, 14851..15105		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89207	Strand	
Start	14478	End	22886
Name	OJ000350_66.0407.C36.o4.tm	Method	TBLASTX:Maize
Start	14585	End	15070
GI	none	Score	62
Exons	14585..14635, 14586..14636, 14722..15063, 14726..15070, 14726..15070		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89207	Strand	
Start	14478	End	22886
Name	OJ000350_66.0407.C36.o6.tc	Method	TBLASTX:Cress
Start	14855	End	15103
GI	none	Score	193
Exons	14855..15052, 14872..15051, 15038..15103		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89207	Strand	
Start	14478	End	22886
Name	OJ000350_66.0407.C36.o2.tw	Method	TBLASTX:Wheat
Start	14880	End	22886
GI	none	Score	56
Exons	14880..14930, 22542..22724, 22586..22831, 22715..22834, 22716..22799, 22808..22879, 22812..22886		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89207	Strand	
Start	14478	End	22886
Name	OJ000350_66.0407.C36.o2.tm	Method	TBLASTX:Maize
Start	20850	End	21713
GI	none	Score	241
Exons	20850..21188, 20912..21175, 21164..21265, 21192..21242, 21254..21301, 21258..21506, 21356..21484, 21498..21713, 21521..21667		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89207	Strand	
Start	14478	End	22886
Name	OJ000350_66.0407.C36.o3.tc	Method	TBLASTX:Cress
Start	20850	End	21827
GI	none	Score	130
Exons	20850..21038, 21048..21182, 21189..21290, 21258..21506, 21498..21761, 21500..21667, 21804..21827		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89207	Strand	
Start	14478	End	22886
Name	OJ000350_66.0407.C36.o2.ts	Method	TBLASTX:Soybean
Start	20850	End	22613
GI	none	Score	243
Exons	20850..21182, 20903..21175, 21189..21242, 21258..21323, 21330..21506, 21356..21484, 21498..21761, 21804..21827, 21866..22165, 22029..22187, 22211..22354, 22212..22385, 22401..22505, 22412..22504, 22587..22613		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89207	Strand	
Start	14478	End	22886
Name	OJ000350_66.0407.C36.o1.tw	Method	TBLASTX:Wheat
Start	21105	End	21473
GI	none	Score	142
Exons	21105..21236, 21107..21211, 21242..21307, 21246..21473, 21246..21407, 21356..21472		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89207	Strand	
Start	14478	End	22886
Name	OJ000350_66.0407.C36.o4.tw	Method	TBLASTX:Wheat
Start	21495	End	21713
GI	none	Score	182
Exons	21495..21713, 21509..21667		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89207	Strand	
Start	14478	End	22886
Name	OJ000350_66.0407.C36.o3.tm	Method	TBLASTX:Maize
Start	21864	End	22697
GI	none	Score	206
Exons	21864..22166, 22040..22165, 22211..22351, 22212..22385, 22401..22499, 22404..22499, 22412..22504, 22602..22697		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89207	Strand	
Start	14478	End	22886
Name	OJ000350_66.0407.C36.o2.tc	Method	TBLASTX:Cress
Start	22040	End	22697
GI	none	Score	172
Exons	22040..22162, 22041..22205, 22212..22370, 22214..22360, 22401..22502, 22412..22501, 22545..22610, 22632..22697		

Seq. No.	42758	Seq. ID	OJ000350_66.0407.C36
Gene No.	89207	Strand	
Start	14478	End	22886
Name	OJ000350_66.0407.C36.o3.tw	Method	TBLASTX:Wheat
Start	22061	End	22361
GI	none	Score	57
Exons	22061..22096, 22062..22148, 22097..22165, 22098..22166, 22200..22361, 22220..22348		

Seq. No.	42759	Seq. ID	OJ000350_66.0407.C37
Gene No.	89208	Strand	+

Start	1	End	920
Name	OJ000350_66.0407.C37.o1.np	Method	AAT/NAP
Start	1	End	917
GI	7489324	Score	129
Exons	1..129, 840..917		
GI Descrip.	Dc3 promoter-binding factor-2 - common sunflower gi\|2228773\|gb\|AAC49760.1\| (AF001454) Dc3 promoter-binding factor-2 [Helianthus annuus]		

Seq. No.	42759	Seq. ID	OJ000350_66.0407.C37
Gene No.	89208	Strand	+
Start	1	End	920
Name	OJ000350_66.0407.C37.o1.gs	Method	GENSCAN
Start	58	End	920
GI	none	Score	.73
Exons	58..129, 777..920		

Seq. No.	42759	Seq. ID	OJ000350_66.0407.C37
Gene No.	89209	Strand	-
Start	3057	End	5130
Name	OJ000350_66.0407.C37.o2.np	Method	AAT/NAP
Start	3057	End	5130
GI	6069646	Score	949
Exons	3057..4043, 4326..5130		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	42759	Seq. ID	OJ000350_66.0407.C37
Gene No.	89210	Strand	-
Start	6163	End	6512
Name	OJ000350_66.0407.C37.o1.gp	Method	AAT/GAP
Start	6163	End	6512
GI	none	Score	660
Exons	6163..6512		

Seq. No.	42759	Seq. ID	OJ000350_66.0407.C37
Gene No.	89211	Strand	-
Start	6852	End	7433
Name	OJ000350_66.0407.C37.o1.tm	Method	TBLASTX:Maize
Start	3070	End	3638
GI	none	Score	73
Exons	3070..3288, 3072..3284, 3303..3638, 3430..3570		

Seq. No.	42759	Seq. ID	OJ000350_66.0407.C37
Gene No.	89211	Strand	-
Start	6852	End	7433
Name	OJ000350_66.0407.C37.o2.tw	Method	TBLASTX:Wheat
Start	3183	End	3551
GI	none	Score	179
Exons	3183..3230, 3339..3551		

Seq. No.	42759	Seq. ID	OJ000350_66.0407.C37
Gene No.	89211	Strand	-
Start	6852	End	7433

Name	OJ000350_66.0407.C37.o4.tm	Method	TBLASTX:Maize
Start	3870	End	4092
GI	none	Score	50
Exons	3870..4091, 3871..3933, 3970..4092		

Seq. No.	42759	Seq. ID	OJ000350_66.0407.C37
Gene No.	89211	Strand	-
Start	6852	End	7433
Name	OJ000350_66.0407.C37.o1.tw	Method	TBLASTX:Wheat
Start	4026	End	4466
GI	none	Score	66
Exons	4026..4166, 4026..4169, 4170..4466, 4393..4464		

Seq. No.	42759	Seq. ID	OJ000350_66.0407.C37
Gene No.	89211	Strand	-
Start	6852	End	7433
Name	OJ000350_66.0407.C37.o3.tm	Method	TBLASTX:Maize
Start	4101	End	4714
GI	none	Score	40
Exons	4101..4673, 4105..4146, 4204..4311, 4338..4559, 4658..4714		

Seq. No.	42759	Seq. ID	OJ000350_66.0407.C37
Gene No.	89211	Strand	-
Start	6852	End	7433
Name	OJ000350_66.0407.C37.o2.tm	Method	TBLASTX:Maize
Start	4721	End	5138
GI	none	Score	84
Exons	4721..4951, 4748..4870, 4942..5124, 4944..5138		

Seq. No.	42759	Seq. ID	OJ000350_66.0407.C37
Gene No.	89211	Strand	-
Start	6852	End	7433
Name	OJ000350_66.0407.C37.o5.tm	Method	TBLASTX:Maize
Start	5151	End	5321
GI	none	Score	63
Exons	5151..5321, 5173..5283		

Seq. No.	42759	Seq. ID	OJ000350_66.0407.C37
Gene No.	89211	Strand	-
Start	6852	End	7433
Name	OJ000350_66.0407.C37.o4.np	Method	AAT/NAP
Start	6798	End	7433
GI	6815070	Score	143
Exons	6798..7232, 7269..7433		
GI Descrip.	(AP001080) EST AU070319(S10788) corresponds to a region of the predicted gene.; Similar to RING-H2 finger protein RHA2b (AC006200) [Oryza sativa]		

Seq. No.	42759	Seq. ID	OJ000350_66.0407.C37
Gene No.	89211	Strand	-
Start	6852	End	7433
Name	OJ000350_66.0407.C37.o3.gs	Method	GENSCAN
Start	6852	End	7397
GI	none	Score	.99
Exons	6852..7397		

Seq. No.	42760	Seq. ID	OJ000350_66.0407.C38

Gene No.	89212	Strand	+
Start	6077	End	9231
Name	OJ000350_66.0407.C38.o3.np	Method	AAT/NAP
Start	6077	End	9231
GI	3885339	Score	618
Exons	6077..7088, 7180..7251, 7641..7798, 8179..8402, 8601..9231		
GI Descrip.	(AC005623) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42760	Seq. ID	OJ000350_66.0407.C38
Gene No.	89212	Strand	+
Start	6077	End	9231
Name	OJ000350_66.0407.C38.o2.gs	Method	GENSCAN
Start	6323	End	9210
GI	none	Score	.53
Exons	6323..6902, 7229..7251, 8179..8402, 8601..9210		

Seq. No.	42760	Seq. ID	OJ000350_66.0407.C38
Gene No.	89213	Strand	-
Start	1	End	6328
Name	OJ000350_66.0407.C38.o1.np	Method	AAT/NAP
Start	1	End	3074
GI	7329636	Score	574
Exons	1..171, 394..2157, 3021..3074		
GI Descrip.	(AL132970) centromere protein-like [Arabidopsis thaliana]		

Seq. No.	42760	Seq. ID	OJ000350_66.0407.C38
Gene No.	89213	Strand	-
Start	1	End	6328
Name	OJ000350_66.0407.C38.o3.tm	Method	TBLASTX:Maize
Start	1	End	182
GI	none	Score	154
Exons	1..120, 6..182, 6..170		

Seq. No.	42760	Seq. ID	OJ000350_66.0407.C38
Gene No.	89213	Strand	-
Start	1	End	6328
Name	OJ000350_66.0407.C38.o1.tm	Method	TBLASTX:Maize
Start	492	End	861
GI	none	Score	188
Exons	492..779, 492..794, 493..783, 805..861, 807..836		

Seq. No.	42760	Seq. ID	OJ000350_66.0407.C38
Gene No.	89213	Strand	-
Start	1	End	6328
Name	OJ000350_66.0407.C38.o1.gs	Method	GENSCAN
Start	1037	End	5681
GI	none	Score	.5
Exons	1037..1674, 1762..1953, 2116..2198, 2834..3142, 3186..3309, 4217..4315, 4330..4498, 4707..4847, 5499..5681		

Seq. No.	42760	Seq. ID	OJ000350_66.0407.C38
Gene No.	89213	Strand	-
Start	1	End	6328
Name	OJ000350_66.0407.C38.o4.tm	Method	TBLASTX:Maize
Start	1874	End	2082
GI	none	Score	88
Exons	1874..2041, 1874..2077, 1875..2078, 1876..2079, 1987..2082		

Seq. No.	42760	Seq. ID	OJ000350_66.0407.C38
Gene No.	89213	Strand	-
Start	1	End	6328
Name	OJ000350_66.0407.C38.o2.np	Method	AAT/NAP
Start	4534	End	6328
GI	7320708	Score	63
Exons	4534..4605, 4689..4763, 6312..6328		
GI Descrip.	(AL161746) putative protein [Arabidopsis thaliana]		

Seq. No.	42760	Seq. ID	OJ000350_66.0407.C38
Gene No.	89214	Strand	
Start	7175	End	8687
Name	OJ000350_66.0407.C38.o2.tm	Method	TBLASTX:Maize
Start	7175	End	8687
GI	none	Score	71
Exons	7175..7246, 7632..7694, 7642..7728, 7643..7756, 7739..7798, 7740..7802, 7744..7800, 8176..8397, 8176..8382, 8598..8687, 8599..8646		

Seq. No.	42760	Seq. ID	OJ000350_66.0407.C38
Gene No.	89214	Strand	
Start	7175	End	8687
Name	OJ000350_66.0407.C38.o1.ts	Method	TBLASTX:Soybean
Start	8191	End	8403
GI	none	Score	199
Exons	8191..8397, 8202..8318, 8248..8403		

Seq. No.	42760	Seq. ID	OJ000350_66.0407.C38
Gene No.	89215	Strand	
Start	8611	End	9030
Name	OJ000350_66.0407.C38.o2.ts	Method	TBLASTX:Soybean
Start	8611	End	9030
GI	none	Score	137
Exons	8611..8868, 8908..9030		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89216	Strand	+
Start	2386	End	2767
Name	OJ000350_66.0407.C39.o1.gp	Method	AAT/GAP
Start	2386	End	2767
GI	2280724	Score	737
Exons	2386..2767		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89217	Strand	+
Start	4611	End	8672
Name	OJ000350_66.0407.C39.o2.gs	Method	GENSCAN
Start	4611	End	8672
GI	none	Score	.62
Exons	4611..4842, 4976..5086, 5991..6103, 6256..8242, 8381..8411, 8417..8672		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89218	Strand	+
Start	10426	End	11805
Name	OJ000350_66.0407.C39.o3.gs	Method	GENSCAN

Start	10426	End	11805
GI	none	Score	.73
Exons	10426..10848, 10927..11065, 11123..11805		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89218	Strand	+
Start	10426	End	11805
Name	OJ000350_66.0407.C39.o2.gp	Method	AAT/GAP
Start	10914	End	11327
GI	LIB3434-064-P1-K1-F3	Score	470
Exons	10914..11065, 11165..11327		
GI Descrip.	'2852449/dbj\|BAA24695\| 2.0e-18 (D88207) protein kinase [Arabidopsis thaliana] >gi_2947061 (AC002521) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89219	Strand	+
Start	13486	End	19320
Name	OJ000350_66.0407.C39.o4.gs	Method	GENSCAN
Start	13486	End	18674
GI	none	Score	.87
Exons	13486..13602, 13678..13767, 14082..14229, 14328..14431, 14786..14840, 14974..15185, 15338..15459, 15543..15696, 15986..16055, 16144..16289, 16375..16447, 16503..16555, 16651..16795, 17082..17200, 17308..17379, 17473..17576, 17832..17888, 17998..18196, 18306..18449, 18555..18674		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89219	Strand	+
Start	13486	End	19320
Name	OJ000350_66.0407.C39.o1.np	Method	AAT/NAP
Start	14237	End	19320
GI	6630556	Score	1512
Exons	14237..14431, 14786..14840, 14974..15185, 15338..15459, 15543..15696, 15986..16055, 16144..16289, 16375..16423, 16506..16555, 16651..16795, 17082..17200, 17308..17379, 17473..17576, 17832..17888, 17998..18196, 18306..18449, 18555..18659, 19270..19320		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89219	Strand	+
Start	13486	End	19320
Name	OJ000350_66.0407.C39.o3.gp	Method	AAT/GAP
Start	14987	End	15459
GI	3768410	Score	618
Exons	14987..15185, 15338..15459		
GI Descrip.	5107819/gb\|AAD40132.1\|AF149413_13 8.0e-18 (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89219	Strand	+
Start	13486	End	19320
Name	OJ000350_66.0407.C39.o4.gp	Method	AAT/GAP
Start	17063	End	17377
GI	LIB3433-013-Q6-K1-H3	Score	308

Exons	17063..17200, 17308..17377		
GI Descrip.	'5107819/gb\|AAD40132.1\|AF149413_13 8.0e-18 (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]'		
Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89220	Strand	+
Start	21791	End	25558
Name	OJ000350_66.0407.C39.o5.gs	Method	GENSCAN
Start	21791	End	25558
GI	none	Score	.87
Exons	21791..21979, 22136..22198, 22548..22655, 22752..22832, 23093..23218, 23299..23388, 23581..23703, 23804..23914, 24064..24177, 24351..24407, 24487..24561, 25415..25558		
Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89220	Strand	+
Start	21791	End	25558
Name	OJ000350_66.0407.C39.o2.np	Method	AAT/NAP
Start	21809	End	24737
GI	7446372	Score	1272
Exons	21809..21979, 22136..22198, 22333..22404, 22548..22655, 22752..22832, 22955..23008, 23093..23218, 23299..23388, 23581..23703, 23804..23914, 24064..24177, 24351..24407, 24487..24561, 24663..24737		
GI Descrip.	probable serine/threonine kinase (EC 2.7.1.-) SNFL2 - sorghum gi\|2632254\|emb\|CAA73068.1\| (Y12465) serine/threonine kinase [Sorghum bicolor]		
Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89221	Strand	+
Start	39099	End	42465
Name	OJ000350_66.0407.C39.o9.gs	Method	GENSCAN
Start	39099	End	41998
GI	none	Score	.82
Exons	39099..39150, 39961..40094, 40173..40452, 40690..40812, 40920..41011, 41713..41813, 41888..41998		
Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89221	Strand	+
Start	39099	End	42465
Name	OJ000350_66.0407.C39.o9.gp	Method	AAT/GAP
Start	40130	End	40833
GI	none	Score	805
Exons	40130..40453, 40690..40833		
Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89221	Strand	+
Start	39099	End	42465
Name	OJ000350_66.0407.C39.o8.np	Method	AAT/NAP
Start	40683	End	42465
GI	2246380	Score	327
Exons	40683..40812, 40923..41011, 41713..41813, 41894..41998, 42388..42465		
GI Descrip.	(Z86095) peptidyl-prolyl cis-trans isomerase [Arabidopsis thaliana]		
Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39

Gene No.	89221	Strand	+
Start	39099	End	42465
Name	OJ000350_66.0407.C39.o10.gp	Method	AAT/GAP
Start	41877	End	42373
GI	15510_1.R1084	Score	182
Exons	41877..41998, 42351..42373		
GI Descrip.	'2246380/emb\|CAB06699.1\| 3.0e-33 (Z86095) peptidyl-prolyl cis-trans isomerase [Arabidopsis thaliana]'		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89222	Strand	-
Start	839	End	3353
Name	OJ000350_66.0407.C39.o1.gs	Method	GENSCAN
Start	839	End	3353
GI	none	Score	.68
Exons	839..921, 1352..1572, 1639..1957, 2055..2372, 3251..3353		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89223	Strand	-
Start	25750	End	30887
Name	OJ000350_66.0407.C39.o5.gp	Method	AAT/GAP
Start	25750	End	26369
GI	uC-osroM202007h09a1	Score	885
Exons	25750..26126, 26249..26369		
GI Descrip.	'537404/dbj\|BAA05538\| 0.0e+00 (D26537) WSI76 protein induced by water stress [Oryza sativa]'		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89223	Strand	-
Start	25750	End	30887
Name	OJ000350_66.0407.C39.o6.gs	Method	GENSCAN
Start	25966	End	30786
GI	none	Score	.56
Exons	25966..26126, 26249..26431, 26888..26929, 27078..27147, 27449..27547, 27711..27803, 27878..28012, 28625..28980, 30711..30786		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89223	Strand	-
Start	25750	End	30887
Name	OJ000350_66.0407.C39.o3.np	Method	AAT/NAP
Start	26020	End	27931
GI	7487321	Score	364
Exons	26020..26126, 26249..26480, 26888..26929, 27449..27547, 27711..27803, 27878..27931		
GI Descrip.	hypothetical protein T22A6.210 - Arabidopsis thaliana gi\|5051780\|emb\|CAB45073.1\| (AL078637) putative protein [Arabidopsis thaliana] gi\|7269288\|emb\|CAB79348.1\| (AL161561) putative protein [Arabidopsis thaliana]		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89223	Strand	-
Start	25750	End	30887
Name	OJ000350_66.0407.C39.o6.gp	Method	AAT/GAP
Start	26397	End	28031
GI	52574_1.R1084	Score	780
Exons	26397..26480, 26888..26929, 27449..27547, 27711..27803,		

	27878..28031
GI Descrip.	'5051780/emb\|CAB45073.1\| 4.0e-34 (AL078637) putative protein [Arabidopsis thaliana]'

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89223	Strand	-
Start	25750	End	30887
Name	OJ000350_66.0407.C39.o7.gp	Method	AAT/GAP
Start	28315	End	30887
GI	234_1.R1084	Score	1573
Exons	28315..28980, 30711..30887		
GI Descrip.	'115511/sp\|P13565\|CALM_HORVU 6.0e-81 CALMODULIN >gi_231682_sp_P29612_CALM_ORYSA CALMODULIN >gi_71682_pir__MCBH calmodulin - barley >gi_100666_pir__S24952 calmodulin 1 (clone lambda DASH) - rice >gi_20188_emb_CAA78287_ (Z12827) calmodulin [Oryza sativa] >gi_167008 (M27303) calmodulin [Hordeum vulgare] >gi_170072 (L01431) calmodulin [Glycine max] >gi_310315 (L18913) calmodulin [Oryza sat'		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89223	Strand	-
Start	25750	End	30887
Name	OJ000350_66.0407.C39.o4.np	Method	AAT/NAP
Start	28610	End	30786
GI	115511	Score	732
Exons	28610..28980, 30711..30786		
GI Descrip.	CALMODULIN gi\|231682\|sp\|P29612\|CALM_ORYSA CALMODULIN gi\|71682\|pir\|\|MCBH calmodulin - barley gi\|100666\|pir\|\|S24952 calmodulin 1 (clone lambda DASH) - rice gi\|20188\|emb\|CAA78287.1\| (Z12827) calmodulin [Oryza sativa] gi\|167008\|gb\|AAA32938.1\| (M27303) calmodulin [Hordeum vulgare] gi\|170072\|gb\|AAA03580.1\| (L01431) calmodulin [Glycine max] gi\|310315\|gb\|AAA33901.1\| (L18913		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89224	Strand	-
Start	31767	End	32661
Name	OJ000350_66.0407.C39.o5.np	Method	AAT/NAP
Start	31767	End	32661
GI	6815099	Score	109
Exons	31767..31906, 32499..32661		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89225	Strand	-
Start	32821	End	35113
Name	OJ000350_66.0407.C39.o7.gs	Method	GENSCAN
Start	32821	End	35113
GI	none	Score	.96
Exons	32821..33153, 33700..33862, 33980..34164, 34844..35113		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89225	Strand	-
Start	32821	End	35113
Name	OJ000350_66.0407.C39.o6.np	Method	AAT/NAP
Start	32833	End	35113
GI	6686782	Score	489

Exons	32833..33153, 33700..33862, 33980..34162, 34842..34920, 34996..35113		
GI Descrip.	(AJ132315) AKIN gamma [Arabidopsis thaliana]		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o2.tc	Method	TBLASTX:Cress
Start	6236	End	6869
GI	none	Score	347
Exons	6236..6655, 6236..6613, 6247..6678, 6249..6677, 6660..6869, 6679..6843		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o7.ts	Method	TBLASTX:Soybean
Start	6718	End	7041
GI	none	Score	229
Exons	6718..6960, 6748..6909, 6750..6947, 6999..7040, 7000..7041		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o12.tm	Method	TBLASTX:Maize
Start	6771	End	7002
GI	none	Score	189
Exons	6771..6947, 6772..7002		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o11.tm	Method	TBLASTX:Maize
Start	7085	End	7240
GI	none	Score	198
Exons	7085..7237, 7087..7236, 7088..7240		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o7.tm	Method	TBLASTX:Maize
Start	7273	End	7558
GI	none	Score	372
Exons	7273..7557, 7275..7556, 7352..7558		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o4.tm	Method	TBLASTX:Maize
Start	7765	End	8179
GI	none	Score	468
Exons	7765..8154, 7772..7828, 7807..8154, 7877..8179, 7976..8179		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o1.tm	Method	TBLASTX:Maize

Start	10653	End	11691
GI	none	Score	249
Exons	10653..10847, 10654..10848, 10930..11016, 11005..11064, 11166..11435, 11167..11691, 11356..11613, 11535..11690		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o1.tc	Method	TBLASTX:Cress
Start	10654	End	11697
GI	none	Score	228
Exons	10654..10848, 10677..10847, 10930..11016, 11005..11064, 11166..11237, 11167..11697, 11268..11426, 11529..11684		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o1.ts	Method	TBLASTX:Soybean
Start	10654	End	11703
GI	none	Score	239
Exons	10654..10848, 10665..10847, 10927..11016, 10999..11064, 11173..11703, 11175..11432, 11529..11684		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o2.tw	Method	TBLASTX:Wheat
Start	11179	End	11589
GI	none	Score	450
Exons	11179..11589, 11184..11432		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o5.tm	Method	TBLASTX:Maize
Start	14345	End	18659
GI	none	Score	103
Exons	14345..14431, 14353..14454, 14757..14840, 14779..14841, 14786..14842, 14972..15118, 14973..15119, 15132..15185, 15338..15460, 15382..15459, 15562..15693, 15568..15678, 15985..16056, 15986..16057, 16142..16333, 16143..16292, 16369..16428, 16495..16569, 16504..16572, 16644..16766, 16645..16872, 17080..17193, 17081..17203, 17307..17375, 17308..17379, 17472..17582, 17473..17523, 17829..17882, 17830..17871, 17980..18159, 17981..18193, 17981..18172, 18281..18451, 18291..18455, 18554..18646, 18555..18659		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o7.tc	Method	TBLASTX:Cress
Start	14363	End	15119
GI	none	Score	69
Exons	14363..14431, 14779..14841, 14779..14841, 14786..14842, 14972..15118, 14973..15119		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39

Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o5.ts	Method	TBLASTX:Soybean
Start	14973	End	18650
GI	none	Score	323
Exons	14973..15185, 14978..15133, 15337..15459, 15338..15460, 15547..15693, 15556..15687, 15985..16056, 15986..16057, 16142..16285, 16143..16292, 16173..16289, 16357..16422, 16369..16428, 16644..16766, 16645..16872, 17081..17203, 17307..17378, 17308..17379, 17466..17519, 17472..17585, 17473..17523, 17829..17891, 17830..17871, 17995..18096, 17996..18199, 18133..18207, 18285..18362, 18305..18361, 18369..18452, 18377..18451, 18552..18650		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o6.tw	Method	TBLASTX:Wheat
Start	16644	End	17203
GI	none	Score	190
Exons	16644..16766, 16645..16872, 17080..17193, 17081..17203		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o8.tc	Method	TBLASTX:Cress
Start	16644	End	17523
GI	none	Score	181
Exons	16644..16796, 16645..16797, 17077..17184, 17081..17203, 17308..17379, 17473..17523		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o3.tw	Method	TBLASTX:Wheat
Start	17817	End	18193
GI	none	Score	55
Exons	17817..17882, 17830..17871, 17980..18093, 17981..18193, 17981..18103, 18140..18163		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o3.ts	Method	TBLASTX:Soybean
Start	21785	End	23914
GI	none	Score	200
Exons	21785..21982, 21826..21993, 22123..22200, 22133..22201, 22326..22406, 22330..22410, 22556..22654, 22557..22655, 22754..22834, 22755..22832, 22954..23010, 22956..22982, 22958..23011, 23072..23218, 23083..23184, 23093..23224, 23296..23388, 23296..23388, 23581..23703, 23801..23914, 23812..23910		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o3.tm	Method	TBLASTX:Maize

Start	21788	End	24707
GI	none	Score	37
Exons	21788..21814, 21807..21968, 21814..21969, 21821..21982, 21821..21982, 21823..21987, 22129..22218, 22133..22201, 22330..22410, 22330..22410, 22332..22412, 22547..22657, 22548..22658, 22555..22665, 22557..22661, 22749..22832, 22751..22831, 22756..22833, 22954..23019, 22955..23011, 23076..23219, 23093..23224, 23134..23208, 23289..23381, 23296..23388, 23296..23388, 23298..23393, 23581..23703, 23590..23703, 23801..23908, 23803..23904, 23811..23915, 24053..24175, 24061..24180, 24066..24170, 24348..24407, 24351..24410, 24477..24560, 24487..24567, 24654..24707		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o9.tc	Method	TBLASTX:Cress
Start	21818	End	22410
GI	none	Score	197
Exons	21818..21982, 21823..21984, 22123..22200, 22133..22201, 22326..22406, 22330..22410		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o4.tw	Method	TBLASTX:Wheat
Start	21820	End	22186
GI	none	Score	203
Exons	21820..21987, 21821..21982, 22129..22185, 22133..22186, 22133..22186		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o4.tc	Method	TBLASTX:Cress
Start	22566	End	23393
GI	none	Score	131
Exons	22566..22655, 22568..22654, 22754..22831, 22755..22832, 22957..23016, 22958..23011, 23087..23224, 23093..23221, 23296..23388, 23316..23393		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o8.tm	Method	TBLASTX:Maize
Start	26052	End	27996
GI	none	Score	67
Exons	26052..26114, 26052..26117, 26059..26115, 26059..26127, 27438..27548, 27441..27548, 27448..27549, 27448..27549, 27449..27550, 27711..27803, 27711..27803, 27730..27804, 27875..27994, 27876..27995, 27877..27996		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o10.tc	Method	TBLASTX:Cress
Start	26250	End	27986

GI	none	Score	112
Exons	26250..26459, 27441..27548, 27449..27550, 27711..27803, 27736..27804, 27870..27986, 27875..27982		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o4.ts	Method	TBLASTX:Soybean
Start	26250	End	28012
GI	none	Score	207
Exons	26250..26480, 26257..26481, 26263..26496, 26886..26942, 26889..26930, 27441..27548, 27449..27550, 27453..27548, 27711..27803, 27711..27803, 27736..27804, 27874..27963, 27875..28006, 27878..28012		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o6.tm	Method	TBLASTX:Maize
Start	26250	End	26933
GI	none	Score	282
Exons	26250..26492, 26250..26489, 26251..26517, 26864..26932, 26880..26933		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o2.tm	Method	TBLASTX:Maize
Start	28413	End	30911
GI	none	Score	41
Exons	28413..28481, 28489..28533, 28490..28528, 28490..28573, 28562..28594, 28564..28587, 28573..28620, 28577..28981, 28589..28990, 28610..28801, 28610..28816, 28702..28989, 28728..29030, 30709..30792, 30879..30911		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o3.tc	Method	TBLASTX:Cress
Start	28541	End	30801
GI	none	Score	42
Exons	28541..28981, 28605..28634, 28607..28990, 28610..28816, 28619..28801, 28728..29030, 30709..30801		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o2.ts	Method	TBLASTX:Soybean
Start	28586	End	30786
GI	none	Score	362
Exons	28586..28981, 28607..28990, 28610..28801, 28610..28804, 28728..29030, 28765..28989, 30709..30786		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o1.tw	Method	TBLASTX:Wheat

Start	28591	End	30789
GI	none	Score	52
Exons	28591..28635, 28598..28990, 28604..28981, 28610..28801, 28610..28816, 28699..28989, 28728..29030, 30709..30789		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o5.tc	Method	TBLASTX:Cress
Start	32833	End	34170
GI	none	Score	78
Exons	32833..32919, 32911..32961, 33049..33159, 33700..33864, 33701..33844, 33977..34057, 33979..34170		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o5.tw	Method	TBLASTX:Wheat
Start	32933	End	33864
GI	none	Score	43
Exons	32933..32980, 33002..33112, 33004..33156, 33004..33159, 33698..33844, 33700..33864		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o9.tm	Method	TBLASTX:Maize
Start	32998	End	34123
GI	none	Score	125
Exons	32998..33159, 33002..33109, 33004..33156, 33693..33806, 33700..33807, 33700..33864, 33704..33880, 33977..34057, 33979..34095, 33981..34079, 33982..34089, 34078..34122, 34100..34123		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o8.ts	Method	TBLASTX:Soybean
Start	33713	End	34125
GI	none	Score	81
Exons	33713..33844, 33715..33864, 33727..33864, 33977..34057, 33979..34125		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o8.gp	Method	AAT/GAP
Start	37451	End	38096
GI	none	Score	1181
Exons	37451..38096		

Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89226	Strand	-
Start	37687	End	38100
Name	OJ000350_66.0407.C39.o8.gs	Method	GENSCAN
Start	37687	End	38100
GI	none	Score	.98

Exons	37687..38100		
Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89227	Strand	
Start	40676	End	42021
Name	OJ000350_66.0407.C39.o10.tm	Method	TBLASTX:Maize
Start	40676	End	42002
GI	none	Score	171
Exons	40676..40813, 40677..40826, 40689..40826, 40907..41014, 40912..41016, 40918..41013, 40919..41014, 41707..41814, 41712..41813, 41885..41998, 41886..41999, 41892..42002		
Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89227	Strand	
Start	40676	End	42021
Name	OJ000350_66.0407.C39.o6.tc	Method	TBLASTX:Cress
Start	40698	End	41999
GI	none	Score	79
Exons	40698..40847, 40913..41014, 40918..41013, 41707..41814, 41712..41813, 41901..41999, 41936..41995		
Seq. No.	42761	Seq. ID	OJ000350_66.0407.C39
Gene No.	89227	Strand	
Start	40676	End	42021
Name	OJ000350_66.0407.C39.o6.ts	Method	TBLASTX:Soybean
Start	40728	End	42021
GI	none	Score	73
Exons	40728..40811, 40915..41010, 40916..41005, 41712..41789, 41712..41813, 41713..41814, 41713..41820, 41886..41999, 41893..42021, 41905..41997, 41933..41998		
Seq. No.	42762	Seq. ID	OJ000350_66.0407.C40
Gene No.	89228	Strand	-
Start	1362	End	1819
Name	OJ000350_66.0407.C40.o1.np	Method	AAT/NAP
Start	1362	End	1819
GI	6815052	Score	83
Exons	1362..1486, 1749..1819		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	42763	Seq. ID	OJ000350_62.0404.C3
Gene No.	89229	Strand	-
Start	241	End	812
Name	OJ000350_62.0404.C3.o1.gs	Method	GENSCAN
Start	241	End	812
GI	none	Score	.8
Exons	241..359, 500..812		
Seq. No.	42764	Seq. ID	OJ000350_62.0404.C4
Gene No.	89230	Strand	+
Start	7256	End	7637
Name	OJ000350_62.0404.C4.o2.gp	Method	AAT/GAP
Start	7256	End	7637
GI	uC-osflcyp033a04b1	Score	675
Exons	7256..7637		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	42764	Seq. ID	OJ000350_62.0404.C4
Gene No.	89231	Strand	+
Start	16988	End	19527
Name	OJ000350_62.0404.C4.o4.gs	Method	GENSCAN
Start	16988	End	19527
GI	none	Score	.55
Exons	16988..17010, 17444..17524, 18093..18222, 19228..19527		

Seq. No.	42764	Seq. ID	OJ000350_62.0404.C4
Gene No.	89232	Strand	+
Start	31858	End	34172
Name	OJ000350_62.0404.C4.o6.gs	Method	GENSCAN
Start	31858	End	33779
GI	none	Score	.42
Exons	31858..31926, 32239..32326, 32438..33520, 33631..33779		

Seq. No.	42764	Seq. ID	OJ000350_62.0404.C4
Gene No.	89232	Strand	+
Start	31858	End	34172
Name	OJ000350_62.0404.C4.o3.np	Method	AAT/NAP
Start	32773	End	34172
GI	6630696	Score	2371
Exons	32773..34172		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	42764	Seq. ID	OJ000350_62.0404.C4
Gene No.	89232	Strand	+
Start	31858	End	34172
Name	OJ000350_62.0404.C4.o5.gp	Method	AAT/GAP
Start	32815	End	33705
GI	101595_1.R1084	Score	1447
Exons	32815..33515, 33631..33705		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	42764	Seq. ID	OJ000350_62.0404.C4
Gene No.	89233	Strand	-
Start	860	End	11106
Name	OJ000350_62.0404.C4.o1.np	Method	AAT/NAP
Start	860	End	11106
GI	5852180	Score	496
Exons	860..896, 5923..6337, 6389..6507, 7486..7539, 8260..8365, 11056..11106		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	42764	Seq. ID	OJ000350_62.0404.C4
Gene No.	89233	Strand	-
Start	860	End	11106
Name	OJ000350_62.0404.C4.o2.gs	Method	GENSCAN
Start	9206	End	10256
GI	none	Score	.52
Exons	9206..9257, 10201..10256		

Seq. No.	42764	Seq. ID	OJ000350_62.0404.C4

Gene No.	89234	Strand	-
Start	11630	End	14067
Name	OJ000350_62.0404.C4.o3.gs	Method	GENSCAN
Start	11630	End	14003
GI	none	Score	.42
Exons	11630..11828, 13177..14003		

Seq. No.	42764	Seq. ID	OJ000350_62.0404.C4
Gene No.	89234	Strand	-
Start	11630	End	14067
Name	OJ000350_62.0404.C4.o4.gp	Method	AAT/GAP
Start	12779	End	14067
GI	111_6.R1084	Score	2507
Exons	12779..14067		
GI Descrip.	'2696221/dbj\|BAA23806\| 6.0e-95 (D55708) chitinase [Oryza sativa]'		

Seq. No.	42764	Seq. ID	OJ000350_62.0404.C4
Gene No.	89234	Strand	-
Start	11630	End	14067
Name	OJ000350_62.0404.C4.o2.np	Method	AAT/NAP
Start	13134	End	14026
GI	7451377	Score	839
Exons	13134..14026		
GI Descrip.	chitinase (EC 3.2.1.14) III C00481 - rice gi\|2696221\|dbj\|BAA23806.1\| (D55708) chitinase [Oryza sativa]		

Seq. No.	42764	Seq. ID	OJ000350_62.0404.C4
Gene No.	89234	Strand	-
Start	11630	End	14067
Name	OJ000350_62.0404.C4.o1.tc	Method	TBLASTX:Cress
Start	13146	End	13937
GI	none	Score	63
Exons	13146..13379, 13359..13475, 13512..13619, 13549..13602, 13620..13784, 13621..13749, 13893..13937		

Seq. No.	42764	Seq. ID	OJ000350_62.0404.C4
Gene No.	89234	Strand	-
Start	11630	End	14067
Name	OJ000350_62.0404.C4.o1.ts	Method	TBLASTX:Soybean
Start	13149	End	13889
GI	none	Score	47
Exons	13149..13277, 13362..13475, 13488..13598, 13549..13599, 13620..13790, 13621..13755, 13815..13889		

Seq. No.	42764	Seq. ID	OJ000350_62.0404.C4
Gene No.	89234	Strand	-
Start	11630	End	14067
Name	OJ000350_62.0404.C4.o1.tm	Method	TBLASTX:Maize
Start	13164	End	13550
GI	none	Score	121
Exons	13164..13280, 13164..13358, 13165..13359, 13362..13550, 13363..13476		

Seq. No.	42764	Seq. ID	OJ000350_62.0404.C4
Gene No.	89234	Strand	-
Start	11630	End	14067

Name	OJ000350_62.0404.C4.o4.tm	Method	TBLASTX:Maize
Start	13638	End	13971
GI	none	Score	187
Exons	13638..13703, 13704..13889, 13705..13971, 13893..13931		

Seq. No.	42764	Seq. ID	OJ000350_62.0404.C4
Gene No.	89234	Strand	-
Start	11630	End	14067
Name	OJ000350_62.0404.C4.o2.tw	Method	TBLASTX:Wheat
Start	13704	End	13995
GI	none	Score	113
Exons	13704..13805, 13705..13806, 13815..13898, 13816..13893, 13897..13995, 13902..13943		

Seq. No.	42764	Seq. ID	OJ000350_62.0404.C4
Gene No.	89235	Strand	
Start	32667	End	33123
Name	OJ000350_62.0404.C4.o1.tw	Method	TBLASTX:Wheat
Start	32667	End	33064
GI	none	Score	128
Exons	32667..32765, 32668..32802, 32779..33063, 32853..33044, 32882..33064		

Seq. No.	42764	Seq. ID	OJ000350_62.0404.C4
Gene No.	89235	Strand	
Start	32667	End	33123
Name	OJ000350_62.0404.C4.o3.tm	Method	TBLASTX:Maize
Start	32815	End	33123
GI	none	Score	318
Exons	32815..33123, 32862..33044, 32915..33058, 32944..33120		

Seq. No.	42764	Seq. ID	OJ000350_62.0404.C4
Gene No.	89236	Strand	
Start	33646	End	33990
Name	OJ000350_62.0404.C4.o2.tm	Method	TBLASTX:Maize
Start	33646	End	33990
GI	none	Score	375
Exons	33646..33918, 33648..33920, 33648..33920, 33949..33990		

Seq. No.	42765	Seq. ID	OJ000350_62.0404.C5
Gene No.	89237	Strand	+
Start	1	End	2265
Name	OJ000350_62.0404.C5.o1.np	Method	AAT/NAP
Start	1	End	2265
GI	6630696	Score	3901
Exons	1..2265		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	42765	Seq. ID	OJ000350_62.0404.C5
Gene No.	89238	Strand	-
Start	3363	End	3521
Name	OJ000350_62.0404.C5.o3.tm	Method	TBLASTX:Maize
Start	27	End	345
GI	none	Score	213
Exons	27..86, 28..264, 117..260, 274..345		

Seq. No.	42765	Seq. ID	OJ000350_62.0404.C5
Gene No.	89238	Strand	-
Start	3363	End	3521
Name	OJ000350_62.0404.C5.o2.ts	Method	TBLASTX:Soybean
Start	43	End	441
GI	none	Score	207
Exons	43..264, 45..260, 268..441		

Seq. No.	42765	Seq. ID	OJ000350_62.0404.C5
Gene No.	89238	Strand	-
Start	3363	End	3521
Name	OJ000350_62.0404.C5.o1.tw	Method	TBLASTX:Wheat
Start	99	End	846
GI	none	Score	281
Exons	99..506, 99..563, 106..846, 308..841, 592..846		

Seq. No.	42765	Seq. ID	OJ000350_62.0404.C5
Gene No.	89238	Strand	-
Start	3363	End	3521
Name	OJ000350_62.0404.C5.o1.ts	Method	TBLASTX:Soybean
Start	766	End	1230
GI	5509260	Score	383
Exons	766..1230, 858..1022		
GI Descrip.	-		

Seq. No.	42765	Seq. ID	OJ000350_62.0404.C5
Gene No.	89238	Strand	-
Start	3363	End	3521
Name	OJ000350_62.0404.C5.o1.tc	Method	TBLASTX:Cress
Start	858	End	1119
GI	none	Score	286
Exons	858..1031, 859..1119		

Seq. No.	42765	Seq. ID	OJ000350_62.0404.C5
Gene No.	89238	Strand	-
Start	3363	End	3521
Name	OJ000350_62.0404.C5.o2.tm	Method	TBLASTX:Maize
Start	900	End	1365
GI	none	Score	353
Exons	900..1031, 901..1365, 1036..1116, 1152..1262		

Seq. No.	42765	Seq. ID	OJ000350_62.0404.C5
Gene No.	89238	Strand	-
Start	3363	End	3521
Name	OJ000350_62.0404.C5.o3.tw	Method	TBLASTX:Wheat
Start	901	End	1653
GI	none	Score	310
Exons	901..1245, 957..1082, 1240..1446, 1600..1653		

Seq. No.	42765	Seq. ID	OJ000350_62.0404.C5
Gene No.	89238	Strand	-
Start	3363	End	3521
Name	OJ000350_62.0404.C5.o3.ts	Method	TBLASTX:Soybean
Start	1299	End	1650
GI	none	Score	140
Exons	1299..1463, 1300..1458, 1458..1646, 1459..1647, 1468..1650		

Seq. No.	42765	Seq. ID	OJ000350_62.0404.C5
Gene No.	89238	Strand	-
Start	3363	End	3521
Name	OJ000350_62.0404.C5.o1.tm	Method	TBLASTX:Maize
Start	1449	End	1798
GI	none	Score	357
Exons	1449..1796, 1450..1797, 1550..1798		

Seq. No.	42765	Seq. ID	OJ000350_62.0404.C5
Gene No.	89238	Strand	-
Start	3363	End	3521
Name	OJ000350_62.0404.C5.o2.tw	Method	TBLASTX:Wheat
Start	1654	End	2129
GI	none	Score	105
Exons	1654..1728, 1655..1714, 1659..1727, 1743..2129, 1744..2127		

Seq. No.	42765	Seq. ID	OJ000350_62.0404.C5
Gene No.	89238	Strand	-
Start	3363	End	3521
Name	OJ000350_62.0404.C5.o4.ts	Method	TBLASTX:Soybean
Start	1660	End	2001
GI	none	Score	97
Exons	1660..1773, 1695..1763, 1792..2001, 1797..1922		

Seq. No.	42765	Seq. ID	OJ000350_62.0404.C5
Gene No.	89238	Strand	-
Start	3363	End	3521
Name	OJ000350_62.0404.C5.o4.tm	Method	TBLASTX:Maize
Start	2139	End	2462
GI	none	Score	92
Exons	2139..2228, 2139..2228, 2140..2229, 2140..2229, 2141..2230, 2268..2411, 2274..2363, 2278..2370, 2279..2371, 2340..2462, 2437..2460		

Seq. No.	42765	Seq. ID	OJ000350_62.0404.C5
Gene No.	89238	Strand	-
Start	3363	End	3521
Name	OJ000350_62.0404.C5.o2.gs	Method	GENSCAN
Start	3363	End	3521
GI	none	Score	.53
Exons	3363..3446, 3504..3521		

Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89239	Strand	+
Start	958	End	1840
Name	OJ000350_62.0404.C6.o1.gs	Method	GENSCAN
Start	958	End	1840
GI	none	Score	.4
Exons	958..1038, 1528..1735, 1779..1840		

Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89240	Strand	+
Start	20477	End	22488
Name	OJ000350_62.0404.C6.o3.np	Method	AAT/NAP
Start	20477	End	21355
GI	7451377	Score	857

Exons	20477..21355		
GI Descrip.	chitinase (EC 3.2.1.14) III C00481 - rice gi\|2696221\|dbj\|BAA23806.1\| (D55708) chitinase [Oryza sativa]		
Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89240	Strand	+
Start	20477	End	22488
Name	OJ000350_62.0404.C6.o5.gs	Method	GENSCAN
Start	20477	End	22488
GI	none	Score	.4
Exons	20477..21344, 21811..21976, 22380..22488		
Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89241	Strand	+
Start	31647	End	35956
Name	OJ000350_62.0404.C6.o4.np	Method	AAT/NAP
Start	31644	End	32531
GI	7451377	Score	797
Exons	31644..32531		
GI Descrip.	chitinase (EC 3.2.1.14) III C00481 - rice gi\|2696221\|dbj\|BAA23806.1\| (D55708) chitinase [Oryza sativa]		
Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89241	Strand	+
Start	31647	End	35956
Name	OJ000350_62.0404.C6.o7.gs	Method	GENSCAN
Start	31647	End	35956
GI	none	Score	.89
Exons	31647..32524, 33186..33302, 33598..33696, 33851..33934, 35464..35510, 35745..35956		
Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89242	Strand	+
Start	54028	End	54920
Name	OJ000350_62.0404.C6.o10.gs	Method	GENSCAN
Start	54028	End	54920
GI	none	Score	.9
Exons	54028..54201, 54222..54920		
Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89242	Strand	+
Start	54028	End	54920
Name	OJ000350_62.0404.C6.o7.np	Method	AAT/NAP
Start	54028	End	54914
GI	7451381	Score	671
Exons	54028..54914		
GI Descrip.	chitinase (EC 3.2.1.14) III C10150 - rice gi\|2696225\|dbj\|BAA23808.1\| (D55710) chitinase [Oryza sativa]		
Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89242	Strand	+
Start	54028	End	54920
Name	OJ000350_62.0404.C6.o6.np	Method	AAT/NAP
Start	54028	End	54917
GI	7451377	Score	761
Exons	54028..54917		
GI Descrip.	chitinase (EC 3.2.1.14) III C00481 - rice		

gi|2696221|dbj|BAA23806.1| (D55708) chitinase [Oryza sativa]

Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89243	Strand	+
Start	56304	End	56403
Name	OJ000350_62.0404.C6.o11.gs	Method	GENSCAN
Start	56304	End	56403
GI	none	Score	.75
Exons	56304..56403		

Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89244	Strand	-
Start	2237	End	20281
Name	OJ000350_62.0404.C6.o2.gs	Method	GENSCAN
Start	2237	End	7867
GI	none	Score	.7
Exons	2237..3447, 4101..4325, 4376..4742, 5460..5523, 5711..5764, 7266..7867		

Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89244	Strand	-
Start	2237	End	20281
Name	OJ000350_62.0404.C6.o1.np	Method	AAT/NAP
Start	3047	End	12216
GI	7248394	Score	3377
Exons	3047..3426, 7006..7888, 10797..10972, 11243..11524, 11568..12216		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89244	Strand	-
Start	2237	End	20281
Name	OJ000350_62.0404.C6.o2.np	Method	AAT/NAP
Start	7001	End	12216
GI	7248394	Score	3083
Exons	7001..7888, 10797..10972, 11243..11524, 11568..12216		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89244	Strand	-
Start	2237	End	20281
Name	OJ000350_62.0404.C6.o1.gp	Method	AAT/GAP
Start	7034	End	7739
GI	5455576	Score	1352
Exons	7034..7739		
GI Descrip.	4544372/gb\|AAD22283.1\|AC006920_7 6.0e-26 (AC006920) putative reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89244	Strand	-

Start	2237	End	20281
Name	OJ000350_62.0404.C6.o2.gp	Method	AAT/GAP
Start	7853	End	8152
GI	61605_3.R1084	Score	444
Exons	7853..8152		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89244	Strand	-
Start	2237	End	20281
Name	OJ000350_62.0404.C6.o4.gs	Method	GENSCAN
Start	10005	End	20281
GI	none	Score	.53
Exons	10005..10261, 10919..11199, 11293..11526, 11627..11717, 11832..12137, 12198..12307, 12341..12549, 12590..13005, 13228..13537, 13922..13994, 14604..15015, 15365..15457, 15645..15715, 16084..16277, 16416..16482, 17939..17999, 18215..18393, 19237..19316, 19811..19905, 20197..20281		

Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89245	Strand	-
Start	36619	End	46554
Name	OJ000350_62.0404.C6.o8.gs	Method	GENSCAN
Start	36619	End	46554
GI	none	Score	.8
Exons	36619..36702, 37774..37986, 38368..38404, 38864..39152, 40196..40430, 41345..41620, 41710..41836, 42413..42660, 42859..43648, 44524..44630, 45106..45376, 45923..46081, 46158..46378, 46453..46554		

Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89245	Strand	-
Start	36619	End	46554
Name	OJ000350_62.0404.C6.o5.gp	Method	AAT/GAP
Start	38589	End	39034
GI	5002986	Score	862
Exons	38589..39034		

Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89245	Strand	-
Start	36619	End	46554
Name	OJ000350_62.0404.C6.o5.np	Method	AAT/NAP
Start	38860	End	45477
GI	4204312	Score	2343
Exons	38860..39155, 40196..40430, 41345..41620, 41710..41836, 42413..42660, 42733..43648, 44524..44630, 45068..45477		
GI Descrip.	(AC003027) lcl\|prt_seq No definition line found [Arabidopsis thaliana]		

Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89245	Strand	-
Start	36619	End	46554
Name	OJ000350_62.0404.C6.o6.gp	Method	AAT/GAP
Start	44525	End	45402
GI	5002985	Score	786
Exons	44525..44630, 45106..45402		

GI Descrip. 4204312 5.0e-17 (AC003027) lcl_prt_seq No definition line found [Arabidopsis thaliana]

Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89246	Strand	-
Start	47005	End	54917
Name	OJ000350_62.0404.C6.o4.ts	Method	TBLASTX:Soybean
Start	1907	End	2152
GI	none	Score	47
Exons	1907..2152, 1911..1946, 2022..2108		

Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89246	Strand	-
Start	47005	End	54917
Name	OJ000350_62.0404.C6.o7.ts	Method	TBLASTX:Soybean
Start	2495	End	2890
GI	none	Score	67
Exons	2495..2890, 2613..2789		

Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89246	Strand	-
Start	47005	End	54917
Name	OJ000350_62.0404.C6.o6.tw	Method	TBLASTX:Wheat
Start	2663	End	3052
GI	none	Score	179
Exons	2663..2719, 2744..3052		

Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89246	Strand	-
Start	47005	End	54917
Name	OJ000350_62.0404.C6.o11.tm	Method	TBLASTX:Maize
Start	2744	End	3097
GI	none	Score	211
Exons	2744..3097		

Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89246	Strand	-
Start	47005	End	54917
Name	OJ000350_62.0404.C6.o5.tw	Method	TBLASTX:Wheat
Start	6619	End	6994
GI	none	Score	47
Exons	6619..6981, 6749..6856, 6908..6994		

Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89246	Strand	-
Start	47005	End	54917
Name	OJ000350_62.0404.C6.o2.ts	Method	TBLASTX:Soybean
Start	6754	End	7171
GI	none	Score	78
Exons	6754..6996, 6758..6871, 6911..6997, 7033..7170, 7037..7171		

Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89246	Strand	-
Start	47005	End	54917
Name	OJ000350_62.0404.C6.o4.tw	Method	TBLASTX:Wheat
Start	7421	End	7807
GI	none	Score	62

Exons	7421..7498, 7475..7807, 7634..7723		
Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89246	Strand	-
Start	47005	End	54917
Name	OJ000350_62.0404.C6.o6.ts	Method	TBLASTX:Soybean
Start	7424	End	7780
GI	none	Score	109
Exons	7424..7498, 7499..7780, 7617..7745		
Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89246	Strand	-
Start	47005	End	54917
Name	OJ000350_62.0404.C6.o1.tm	Method	TBLASTX:Maize
Start	7466	End	10835
GI	none	Score	282
Exons	7466..7903, 7467..7778, 7863..7910, 10797..10835		
Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89246	Strand	-
Start	47005	End	54917
Name	OJ000350_62.0404.C6.o1.tw	Method	TBLASTX:Wheat
Start	7850	End	11111
GI	none	Score	353
Exons	7850..7894, 10797..11111, 10798..11094		
Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89246	Strand	-
Start	47005	End	54917
Name	OJ000350_62.0404.C6.o6.tm	Method	TBLASTX:Maize
Start	10836	End	11051
GI	none	Score	212
Exons	10836..11051, 10837..11049		
Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89246	Strand	-
Start	47005	End	54917
Name	OJ000350_62.0404.C6.o8.ts	Method	TBLASTX:Soybean
Start	10905	End	11261
GI	none	Score	126
Exons	10905..11039, 11055..11261		
Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89246	Strand	-
Start	47005	End	54917
Name	OJ000350_62.0404.C6.o9.ts	Method	TBLASTX:Soybean
Start	11755	End	12117
GI	none	Score	196
Exons	11755..12117		
Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89246	Strand	-
Start	47005	End	54917
Name	OJ000350_62.0404.C6.o10.tm	Method	TBLASTX:Maize
Start	13271	End	13639
GI	none	Score	45
Exons	13271..13489, 13371..13484, 13514..13639, 13515..13622		

Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89246	Strand	-
Start	47005	End	54917
Name	OJ000350_62.0404.C6.o3.ts	Method	TBLASTX:Soybean
Start	20567	End	54884
GI	none	Score	110
Exons	20567..20698, 20578..20700, 20750..20881, 20755..20808, 20884..20952, 20888..20989, 21017..21130, 21212..21322, 31725..31847, 31733..31846, 31892..32005, 31893..32045, 32064..32150, 32193..32300, 32412..32498, 54109..54231, 54117..54230, 54447..54539, 54576..54692, 54789..54884		

Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89246	Strand	-
Start	47005	End	54917
Name	OJ000350_62.0404.C6.o1.tc	Method	TBLASTX:Cress
Start	20573	End	54917
GI	none	Score	95
Exons	20573..20698, 20741..20890, 20882..21010, 20996..21130, 21140..21337, 31737..31847, 31902..32045, 32061..32150, 32322..32432, 32412..32525, 54103..54231, 54351..54425, 54444..54533, 54705..54917		

Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89246	Strand	-
Start	47005	End	54917
Name	OJ000350_62.0404.C6.o3.tw	Method	TBLASTX:Wheat
Start	20578	End	54341
GI	none	Score	146
Exons	20578..20691, 20582..20692, 20695..20796, 20696..20797, 31730..31846, 31734..31847, 31856..31957, 31857..31958, 54114..54245, 54118..54249, 54241..54318, 54255..54317, 54303..54341		

Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89246	Strand	-
Start	47005	End	54917
Name	OJ000350_62.0404.C6.o7.tm	Method	TBLASTX:Maize
Start	20581	End	54407
GI	none	Score	164
Exons	20581..20697, 20582..20701, 20690..20797, 20707..20796, 20798..20863, 31736..31957, 31737..31958, 31959..32024, 54120..54320, 54121..54318, 54303..54341, 54311..54340, 54327..54407		

Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89246	Strand	-
Start	47005	End	54917
Name	OJ000350_62.0404.C6.o3.tm	Method	TBLASTX:Maize
Start	20951	End	54887
GI	none	Score	49
Exons	20951..21001, 20965..21003, 21008..21343, 21010..21342, 21088..21345, 32112..32300, 32168..32275, 32307..32411, 32307..32375, 32324..32425, 32427..32501, 32430..32501, 32455..32511, 54474..54512, 54476..54499, 54507..54683, 54531..54674, 54554..54697, 54693..54887, 54702..54887		

Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89246	Strand	-
Start	47005	End	54917
Name	OJ000350_62.0404.C6.o9.tm	Method	TBLASTX:Maize
Start	23494	End	23874
GI	none	Score	59
Exons	23494..23805, 23803..23874		

Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89246	Strand	-
Start	47005	End	54917
Name	OJ000350_62.0404.C6.o4.tm	Method	TBLASTX:Maize
Start	24035	End	24449
GI	none	Score	74
Exons	24035..24145, 24066..24146, 24146..24202, 24146..24220, 24147..24203, 24212..24448, 24215..24448, 24222..24449		

Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89246	Strand	-
Start	47005	End	54917
Name	OJ000350_62.0404.C6.o2.tw	Method	TBLASTX:Wheat
Start	24092	End	24386
GI	none	Score	65
Exons	24092..24376, 24105..24230, 24128..24379, 24276..24386		

Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89246	Strand	-
Start	47005	End	54917
Name	OJ000350_62.0404.C6.o5.tm	Method	TBLASTX:Maize
Start	24557	End	25327
GI	none	Score	65
Exons	24557..24862, 24884..25024, 24906..24989, 25065..25166, 25073..25327		

Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89246	Strand	-
Start	47005	End	54917
Name	OJ000350_62.0404.C6.o12.tm	Method	TBLASTX:Maize
Start	38861	End	39013
GI	none	Score	172
Exons	38861..39013, 38863..39012		

Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89246	Strand	-
Start	47005	End	54917
Name	OJ000350_62.0404.C6.o2.tm	Method	TBLASTX:Maize
Start	41357	End	41625
GI	none	Score	408
Exons	41357..41623, 41358..41624, 41358..41624, 41359..41625		

Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89246	Strand	-
Start	47005	End	54917
Name	OJ000350_62.0404.C6.o2.tc	Method	TBLASTX:Cress
Start	41358	End	41841
GI	none	Score	74

Exons	41358..41387, 41384..41620, 41463..41621, 41710..41841		
Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89246	Strand	-
Start	47005	End	54917
Name	OJ000350_62.0404.C6.o5.ts	Method	TBLASTX:Soybean
Start	41384	End	44636
GI	none	Score	85
Exons	41384..41620, 41514..41621, 41710..41841, 43144..43416, 44523..44636		
Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89246	Strand	-
Start	47005	End	54917
Name	OJ000350_62.0404.C6.o1.ts	Method	TBLASTX:Soybean
Start	42405	End	42868
GI	none	Score	137
Exons	42405..42536, 42405..42536, 42412..42660, 42413..42553, 42421..42672, 42721..42867, 42728..42868		
Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89246	Strand	-
Start	47005	End	54917
Name	OJ000350_62.0404.C6.o8.tm	Method	TBLASTX:Maize
Start	42979	End	43138
GI	none	Score	177
Exons	42979..43137, 42980..43138		
Seq. No.	42766	Seq. ID	OJ000350_62.0404.C6
Gene No.	89246	Strand	-
Start	47005	End	54917
Name	OJ000350_62.0404.C6.o9.gs	Method	GENSCAN
Start	47005	End	52776
GI	none	Score	.41
Exons	47005..47099, 47231..47385, 48514..48617, 49261..49422, 50472..50522, 50966..51091, 51767..51922, 52010..52082, 52664..52776		
Seq. No.	42767	Seq. ID	OJ000350_62.0404.C7
Gene No.	89247	Strand	+
Start	383	End	1504
Name	OJ000350_62.0404.C7.o1.gs	Method	GENSCAN
Start	383	End	1504
GI	none	Score	.59
Exons	383..469, 957..1067, 1404..1504		
Seq. No.	42768	Seq. ID	OJ000350_62.0404.C10
Gene No.	89248	Strand	+
Start	2797	End	5747
Name	OJ000350_62.0404.C10.o1.gs	Method	GENSCAN
Start	2797	End	5747
GI	none	Score	.46
Exons	2797..3003, 3094..3373, 3472..3571, 4827..5170, 5442..5551, 5715..5747		
Seq. No.	42768	Seq. ID	OJ000350_62.0404.C10
Gene No.	89249	Strand	-

Start	3047	End	3377
Name	OJ000350_62.0404.C10.o2.gp	Method	AAT/GAP
Start	3047	End	3377
GI	69014_1.R1084	Score	601
Exons	3047..3377		
GI Descrip.	'4680178/gb\|AF111709.1\|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	42768	Seq. ID	OJ000350_62.0404.C10
Gene No.	89250	Strand	-
Start	7618	End	8725
Name	OJ000350_62.0404.C10.o2.gs	Method	GENSCAN
Start	7618	End	8725
GI	none	Score	.77
Exons	7618..8000, 8419..8725		

Seq. No.	42768	Seq. ID	OJ000350_62.0404.C10
Gene No.	89251	Strand	-
Start	10289	End	11045
Name	OJ000350_62.0404.C10.o3.gs	Method	GENSCAN
Start	10289	End	11045
GI	none	Score	.93
Exons	10289..10378, 11043..11045		

Seq. No.	42769	Seq. ID	OJ000350_62.0404.C11
Gene No.	89252	Strand	-
Start	3593	End	7481
Name	OJ000350_62.0404.C11.o2.gs	Method	GENSCAN
Start	3593	End	7481
GI	none	Score	.52
Exons	3593..3724, 3834..3926, 4096..4611, 5245..5617, 5858..6070, 7309..7481		

Seq. No.	42769	Seq. ID	OJ000350_62.0404.C11
Gene No.	89252	Strand	-
Start	3593	End	7481
Name	OJ000350_62.0404.C11.o1.tw	Method	TBLASTX:Wheat
Start	5587	End	5955
GI	none	Score	135
Exons	5587..5955, 5638..5949		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89253	Strand	+
Start	1	End	15060
Name	OJ000350_62.0404.C12.o1.np	Method	AAT/NAP
Start	1	End	250
GI	6016874	Score	257
Exons	1..250		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89253	Strand	+
Start	1	End	15060
Name	OJ000350_62.0404.C12.o2.np	Method	AAT/NAP

Start	1	End	14073
GI	5852175	Score	100
Exons	1..28, 205..281, 721..777, 1353..1538, 14047..14073		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89253	Strand	+
Start	1	End	15060
Name	OJ000350_62.0404.C12.o1.gs	Method	GENSCAN
Start	53	End	421
GI	none	Score	.91
Exons	53..117, 346..421		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89253	Strand	+
Start	1	End	15060
Name	OJ000350_62.0404.C12.o2.gp	Method	AAT/GAP
Start	2705	End	3198
GI	576771	Score	808
Exons	2705..2961, 2988..3198		
GI Descrip.	576771/gb\|U16256\|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3'-end sequence		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89253	Strand	+
Start	1	End	15060
Name	OJ000350_62.0404.C12.o3.np	Method	AAT/NAP
Start	8010	End	10079
GI	6069646	Score	854
Exons	8010..8811, 9100..10079		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89253	Strand	+
Start	1	End	15060
Name	OJ000350_62.0404.C12.o4.gs	Method	GENSCAN
Start	12913	End	15060
GI	none	Score	.77
Exons	12913..14440, 14978..15060		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89254	Strand	+
Start	17922	End	24032
Name	OJ000350_62.0404.C12.o4.np	Method	AAT/NAP
Start	17922	End	23996
GI	5922631	Score	6709
Exons	17922..18046, 18305..18549, 18799..19001, 19047..19618, 19661..19812, 19939..20862, 21469..23996		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi\|6016864\|dbj\|BAA85207.1\| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the		

predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89254	Strand	+
Start	17922	End	24032
Name	OJ000350_62.0404.C12.o5.gs	Method	GENSCAN
Start	17922	End	24032
GI	none	Score	.96
Exons	17922..20854, 20951..22021, 22070..24032		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89255	Strand	+
Start	29727	End	35804
Name	OJ000350_62.0404.C12.o10.np	Method	AAT/NAP
Start	29727	End	32641
GI	5902444	Score	4056
Exons	29727..32641		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89255	Strand	+
Start	29727	End	35804
Name	OJ000350_62.0404.C12.o12.np	Method	AAT/NAP
Start	29727	End	35771
GI	5922631	Score	6654
Exons	29727..29851, 30080..30339, 30607..30776, 30822..31390, 31433..31583, 31710..32636, 33243..35771		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi\|6016864\|dbj\|BAA85207.1\| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89255	Strand	+
Start	29727	End	35804
Name	OJ000350_62.0404.C12.o13.np	Method	AAT/NAP
Start	32708	End	35804
GI	5902445	Score	5022
Exons	32708..35804		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89256	Strand	-
Start	1760	End	2955
Name	OJ000350_62.0404.C12.o2.gs	Method	GENSCAN
Start	1760	End	2955
GI	none	Score	.88
Exons	1760..1774, 2129..2249, 2915..2955		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89257	Strand	-
Start	24350	End	27578
Name	OJ000350_62.0404.C12.o6.gs	Method	GENSCAN

Start	24350	End	27578
GI	none	Score	.57
Exons	24350..24670, 24697..24797, 24870..24974, 25046..25159, 25298..25498, 25573..26170, 26389..27425, 27560..27578		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89257	Strand	-
Start	24350	End	27578
Name	OJ000350_62.0404.C12.o5.np	Method	AAT/NAP
Start	24353	End	24810
GI	5902446	Score	718
Exons	24353..24810		
GI Descrip.	(AB030283) orf5 [Oryza sativa]		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89257	Strand	-
Start	24350	End	27578
Name	OJ000350_62.0404.C12.o7.np	Method	AAT/NAP
Start	24353	End	27273
GI	6691716	Score	2345
Exons	24353..24797, 24870..24974, 25124..25235, 25311..25505, 25682..25931, 26013..26187, 26385..27273		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89257	Strand	-
Start	24350	End	27578
Name	OJ000350_62.0404.C12.o8.np	Method	AAT/NAP
Start	25544	End	26290
GI	5902447	Score	1244
Exons	25544..26290		
GI Descrip.	(AB030283) orf4 [Oryza sativa]		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89257	Strand	-
Start	24350	End	27578
Name	OJ000350_62.0404.C12.o9.np	Method	AAT/NAP
Start	26380	End	27273
GI	5902448	Score	1573
Exons	26380..27273		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89258	Strand	-
Start	36137	End	41744
Name	OJ000350_62.0404.C12.o9.tw	Method	TBLASTX:Wheat
Start	617	End	33008
GI	none	Score	58
Exons	617..745, 21000..21233, 21020..21232, 21021..21233, 32774..33007, 32776..33006, 32844..33008		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89258	Strand	-
Start	36137	End	41744
Name	OJ000350_62.0404.C12.o8.tm	Method	TBLASTX:Maize

Start	7418	End	7696
GI	none	Score	217
Exons	7418..7696, 7423..7635		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89258	Strand	-
Start	36137	End	41744
Name	OJ000350_62.0404.C12.o13.tw	Method	TBLASTX:Wheat
Start	8012	End	8347
GI	none	Score	150
Exons	8012..8263, 8270..8347		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89258	Strand	-
Start	36137	End	41744
Name	OJ000350_62.0404.C12.o6.tm	Method	TBLASTX:Maize
Start	8012	End	8332
GI	none	Score	317
Exons	8012..8332, 8017..8232		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89258	Strand	-
Start	36137	End	41744
Name	OJ000350_62.0404.C12.o1.tm	Method	TBLASTX:Maize
Start	8333	End	9031
GI	none	Score	448
Exons	8333..8500, 8344..8535, 8399..9031, 8761..9030		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89258	Strand	-
Start	36137	End	41744
Name	OJ000350_62.0404.C12.o10.tw	Method	TBLASTX:Wheat
Start	8675	End	9118
GI	none	Score	200
Exons	8675..8968, 9068..9118		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89258	Strand	-
Start	36137	End	41744
Name	OJ000350_62.0404.C12.o5.tm	Method	TBLASTX:Maize
Start	9260	End	41744
GI	none	Score	102
Exons	9260..9442, 41275..41367, 41374..41637, 41631..41744		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89258	Strand	-
Start	36137	End	41744
Name	OJ000350_62.0404.C12.o10.tm	Method	TBLASTX:Maize
Start	9500	End	9979
GI	none	Score	182
Exons	9500..9829, 9932..9979		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89258	Strand	-
Start	36137	End	41744
Name	OJ000350_62.0404.C12.o7.tw	Method	TBLASTX:Wheat
Start	9602	End	41544

GI	none	Score	81
Exons	9602..9727, 41180..41350, 41182..41466, 41182..41544		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89258	Strand	-
Start	36137	End	41744
Name	OJ000350_62.0404.C12.o8.tw	Method	TBLASTX:Wheat
Start	19223	End	31229
GI	none	Score	288
Exons	19223..19492, 19224..19625, 30995..31222, 30996..31229		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89258	Strand	-
Start	36137	End	41744
Name	OJ000350_62.0404.C12.o1.tw	Method	TBLASTX:Wheat
Start	20202	End	32773
GI	none	Score	149
Exons	20202..20378, 20423..20608, 20427..20657, 20763..20999, 20834..20995, 31976..32152, 32197..32433, 32201..32431, 32480..32773, 32608..32769		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89258	Strand	-
Start	36137	End	41744
Name	OJ000350_62.0404.C12.o3.ts	Method	TBLASTX:Soybean
Start	20919	End	33058
GI	none	Score	139
Exons	20919..21143, 21150..21284, 32693..32917, 32924..33058		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89258	Strand	-
Start	36137	End	41744
Name	OJ000350_62.0404.C12.o4.tm	Method	TBLASTX:Maize
Start	21009	End	33139
GI	none	Score	375
Exons	21009..21365, 21050..21355, 32783..33139, 32824..33015		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89258	Strand	-
Start	36137	End	41744
Name	OJ000350_62.0404.C12.o2.tw	Method	TBLASTX:Wheat
Start	21234	End	33427
GI	none	Score	468
Exons	21234..21653, 21234..21458, 21236..21652, 33008..33427, 33020..33223, 33052..33426		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89258	Strand	-
Start	36137	End	41744
Name	OJ000350_62.0404.C12.o1.ts	Method	TBLASTX:Soybean
Start	21528	End	33703
GI	none	Score	313
Exons	21528..21929, 21545..21688, 21725..21895, 33272..33703, 33319..33462, 33335..33616, 33499..33669		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89258	Strand	-

Start	36137	End	41744
Name	OJ000350_62.0404.C12.o3.tm	Method	TBLASTX:Maize
Start	21596	End	33790
GI	none	Score	269
Exons	21596..21850, 21597..21851, 21597..21851, 21872..22003, 21873..22016, 33370..33624, 33371..33625, 33371..33628, 33646..33777, 33647..33790		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89258	Strand	-
Start	36137	End	41744
Name	OJ000350_62.0404.C12.o3.tw	Method	TBLASTX:Wheat
Start	21698	End	33901
GI	none	Score	414
Exons	21698..22126, 21699..22127, 33472..33681, 33473..33901		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89258	Strand	-
Start	36137	End	41744
Name	OJ000350_62.0404.C12.o2.ts	Method	TBLASTX:Soybean
Start	22155	End	34318
GI	none	Score	86
Exons	22155..22259, 22163..22543, 22299..22541, 34070..34318, 34074..34316		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89258	Strand	-
Start	36137	End	41744
Name	OJ000350_62.0404.C12.o5.tw	Method	TBLASTX:Wheat
Start	22164	End	34361
GI	none	Score	414
Exons	22164..22586, 22172..22576, 33975..34361, 33983..34285		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89258	Strand	-
Start	36137	End	41744
Name	OJ000350_62.0404.C12.o11.tm	Method	TBLASTX:Maize
Start	22217	End	34265
GI	none	Score	121
Exons	22217..22387, 22227..22388, 22392..22490, 22424..22489, 33993..34163, 34167..34265		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89258	Strand	-
Start	36137	End	41744
Name	OJ000350_62.0404.C12.o12.tw	Method	TBLASTX:Wheat
Start	22602	End	34676
GI	none	Score	126
Exons	22602..22736, 22761..22901, 34377..34511, 34578..34676		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89258	Strand	-
Start	36137	End	41744
Name	OJ000350_62.0404.C12.o2.tm	Method	TBLASTX:Maize
Start	22898	End	35036
GI	none	Score	446
Exons	22898..23209, 22899..23222, 22907..23233, 23213..23260,		

23214..23261, 34674..34997, 34694..34984, 34989..35036

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89258	Strand	-
Start	36137	End	41744
Name	OJ000350_62.0404.C12.o4.tw	Method	TBLASTX:Wheat
Start	22904	End	35066
GI	none	Score	420
Exons	22904..23215, 22905..23291, 23100..23291, 34679..34897, 34680..35066, 34881..35066		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89258	Strand	-
Start	36137	End	41744
Name	OJ000350_62.0404.C12.o9.tm	Method	TBLASTX:Maize
Start	23363	End	35411
GI	none	Score	89
Exons	23363..23470, 23364..23462, 23453..23527, 23457..23540, 23550..23636, 35132..35245, 35139..35237, 35228..35302, 35232..35315, 35328..35411		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89258	Strand	-
Start	36137	End	41744
Name	OJ000350_62.0404.C12.o6.tw	Method	TBLASTX:Wheat
Start	23406	End	35795
GI	none	Score	276
Exons	23406..23684, 23426..23515, 23561..23668, 23725..23799, 23883..24020, 35181..35459, 35201..35290, 35342..35443, 35514..35672, 35664..35795		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89258	Strand	-
Start	36137	End	41744
Name	OJ000350_62.0404.C12.o7.tm	Method	TBLASTX:Maize
Start	23748	End	35756
GI	none	Score	152
Exons	23748..23900, 23879..23983, 23880..23981, 35514..35675, 35550..35648, 35654..35755, 35655..35756		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89258	Strand	-
Start	36137	End	41744
Name	OJ000350_62.0404.C12.o11.tw	Method	TBLASTX:Wheat
Start	26863	End	38932
GI	none	Score	206
Exons	26863..27153, 38642..38932		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89258	Strand	-
Start	36137	End	41744
Name	OJ000350_62.0404.C12.o8.gs	Method	GENSCAN
Start	36137	End	39052
GI	none	Score	.79
Exons	36137..36588, 37124..37288, 37366..37724, 37801..38090, 38168..38502, 38860..39052		

Seq. No.	42770	Seq. ID	OJ000350_62.0404.C12
Gene No.	89258	Strand	-
Start	36137	End	41744
Name	OJ000350_62.0404.C12.o14.np	Method	AAT/NAP
Start	36149	End	39052
GI	6691716	Score	2504
Exons	36149..36588, 36662..36775, 36925..37026, 37101..37288, 37366..37545, 37622..37724, 37801..37967, 38168..39052		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	42771	Seq. ID	OJ000350_62.0404.C13
Gene No.	89259	Strand	-
Start	1	End	2396
Name	OJ000350_62.0404.C13.o1.np	Method	AAT/NAP
Start	1	End	1966
GI	6967113	Score	125
Exons	1..361, 1913..1966		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		

Seq. No.	42771	Seq. ID	OJ000350_62.0404.C13
Gene No.	89259	Strand	-
Start	1	End	2396
Name	OJ000350_62.0404.C13.o1.gs	Method	GENSCAN
Start	8	End	2396
GI	none	Score	.46
Exons	8..425, 529..660, 2245..2396		

Seq. No.	42771	Seq. ID	OJ000350_62.0404.C13
Gene No.	89260	Strand	-
Start	3169	End	3530
Name	OJ000350_62.0404.C13.o2.np	Method	AAT/NAP
Start	3169	End	3530
GI	7543898	Score	83
Exons	3169..3530		
GI Descrip.	(AL138645) putative protein [Arabidopsis thaliana]		

Seq. No.	42771	Seq. ID	OJ000350_62.0404.C13
Gene No.	89261	Strand	-
Start	4638	End	4821
Name	OJ000350_62.0404.C13.o1.tm	Method	TBLASTX:Maize
Start	2	End	361
GI	none	Score	153
Exons	2..361, 72..338		

Seq. No.	42771	Seq. ID	OJ000350_62.0404.C13
Gene No.	89261	Strand	-
Start	4638	End	4821
Name	OJ000350_62.0404.C13.o2.tw	Method	TBLASTX:Wheat
Start	56	End	362
GI	none	Score	68
Exons	56..208, 69..209, 209..361, 210..362		

Seq. No.	42771	Seq. ID	OJ000350_62.0404.C13
Gene No.	89261	Strand	-
Start	4638	End	4821

Name	OJ000350_62.0404.C13.o1.tw	Method	TBLASTX:Wheat
Start	401	End	639
GI	none	Score	50
Exons	401..541, 411..482, 543..638, 553..639		

Seq. No.	42771	Seq. ID	OJ000350_62.0404.C13
Gene No.	89261	Strand	-
Start	4638	End	4821
Name	OJ000350_62.0404.C13.o2.gs	Method	GENSCAN
Start	4638	End	4821
GI	none	Score	.72
Exons	4638..4821		

Seq. No.	42772	Seq. ID	OJ000350_62.0404.C14
Gene No.	89262	Strand	+
Start	1	End	1641
Name	OJ000350_62.0404.C14.o1.np	Method	AAT/NAP
Start	1	End	1641
GI	6539580	Score	675
Exons	1..37, 490..1121, 1183..1373, 1446..1641		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	42772	Seq. ID	OJ000350_62.0404.C14
Gene No.	89262	Strand	+
Start	1	End	1641
Name	OJ000350_62.0404.C14.o1.gs	Method	GENSCAN
Start	307	End	1624
GI	none	Score	.6
Exons	307..369, 494..836, 1259..1356, 1426..1624		

Seq. No.	42773	Seq. ID	OJ000350_62.0404.C15
Gene No.	89263	Strand	+
Start	1	End	4867
Name	OJ000350_62.0404.C15.o1.np	Method	AAT/NAP
Start	1	End	1271
GI	6539580	Score	242
Exons	1..289, 384..565, 670..756, 1137..1271		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	42773	Seq. ID	OJ000350_62.0404.C15
Gene No.	89263	Strand	+
Start	1	End	4867
Name	OJ000350_62.0404.C15.o1.gs	Method	GENSCAN
Start	174	End	4867
GI	none	Score	.61
Exons	174..305, 397..433, 655..756, 1137..1268, 1632..1732, 1828..2017, 2910..2993, 3465..3617, 4537..4646, 4717..4867		

Seq. No.	42773	Seq. ID	OJ000350_62.0404.C15
Gene No.	89264	Strand	-
Start	2724	End	5018
Name	OJ000350_62.0404.C15.o2.np	Method	AAT/NAP
Start	2724	End	5018
GI	6063554	Score	276
Exons	2724..2897, 3532..3585, 4377..4518, 4830..5018		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical		

protein [Oryza sativa]

Seq. No.	42774	Seq. ID	OJ000350_62.0404.C16
Gene No.	89265	Strand	+
Start	36	End	277
Name	OJ000350_62.0404.C16.o1.gs	Method	GENSCAN
Start	36	End	277
GI	none	Score	.72
Exons	36..115, 142..277		

Seq. No.	42774	Seq. ID	OJ000350_62.0404.C16
Gene No.	89266	Strand	-
Start	2349	End	3272
Name	OJ000350_62.0404.C16.o1.np	Method	AAT/NAP
Start	1100	End	3272
GI	6539581	Score	1146
Exons	1100..1162, 1420..1541, 1794..3272		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	42774	Seq. ID	OJ000350_62.0404.C16
Gene No.	89266	Strand	-
Start	2349	End	3272
Name	OJ000350_62.0404.C16.o2.gs	Method	GENSCAN
Start	2349	End	3221
GI	none	Score	.64
Exons	2349..3221		

Seq. No.	42774	Seq. ID	OJ000350_62.0404.C16
Gene No.	89266	Strand	-
Start	2349	End	3272
Name	OJ000350_62.0404.C16.o1.tw	Method	TBLASTX:Wheat
Start	2676	End	3116
GI	none	Score	67
Exons	2676..2918, 2677..2883, 2913..3116, 2938..3114		

Seq. No.	42774	Seq. ID	OJ000350_62.0404.C16
Gene No.	89266	Strand	-
Start	2349	End	3272
Name	OJ000350_62.0404.C16.o1.ts	Method	TBLASTX:Soybean
Start	2739	End	3272
GI	none	Score	134
Exons	2739..2897, 2913..3272, 2998..3246, 3033..3257		

Seq. No.	42774	Seq. ID	OJ000350_62.0404.C16
Gene No.	89266	Strand	-
Start	2349	End	3272
Name	OJ000350_62.0404.C16.o1.tm	Method	TBLASTX:Maize
Start	2950	End	3261
GI	none	Score	138
Exons	2950..3261, 2952..3257		

Seq. No.	42775	Seq. ID	OJ000350_69.0406.C13
Gene No.	89267	Strand	+
Start	571	End	710
Name	OJ000350_69.0406.C13.o1.gp	Method	AAT/GAP
Start	571	End	710

GI	uC-osflM202056d03a1	Score	235
Exons	571..710		
GI Descrip.	'3540208 2.0e-19 (AC004260) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	42775	Seq. ID	OJ000350_69.0406.C13
Gene No.	89267	Strand	+
Start	571	End	710
Name	OJ000350_69.0406.C13.o1.gs	Method	GENSCAN
Start	571	End	710
GI	none	Score	.91
Exons	571..710		

Seq. No.	42775	Seq. ID	OJ000350_69.0406.C13
Gene No.	89267	Strand	+
Start	571	End	710
Name	OJ000350_69.0406.C13.o1.tm	Method	TBLASTX:Maize
Start	571	End	709
GI	none	Score	180
Exons	571..708, 572..709		

Seq. No.	42776	Seq. ID	OJ000350_69.0406.C20
Gene No.	89268	Strand	-
Start	217	End	1741
Name	OJ000350_69.0406.C20.o1.np	Method	AAT/NAP
Start	217	End	1741
GI	7487507	Score	322
Exons	217..330, 416..552, 933..1065, 1702..1741		
GI Descrip.	hypothetical protein T29A15.130 - Arabidopsis thaliana gi\|4469015\|emb\|CAB38276.1\| (AL035602) putative protein [Arabidopsis thaliana] gi\|7269618\|emb\|CAB81414.1\| (AL161571) putative protein [Arabidopsis thaliana]		

Seq. No.	42776	Seq. ID	OJ000350_69.0406.C20
Gene No.	89268	Strand	-
Start	217	End	1741
Name	OJ000350_69.0406.C20.o1.gs	Method	GENSCAN
Start	285	End	1668
GI	none	Score	.55
Exons	285..330, 416..552, 933..1065, 1414..1607, 1627..1668		

Seq. No.	42777	Seq. ID	OJ000350_69.0406.C27
Gene No.	89269	Strand	+
Start	1	End	11302
Name	OJ000350_69.0406.C27.o1.np	Method	AAT/NAP
Start	1	End	1902
GI	7487507	Score	1500
Exons	1..264, 348..855, 947..1077, 1186..1320, 1453..1563, 1642..1902		
GI Descrip.	hypothetical protein T29A15.130 - Arabidopsis thaliana gi\|4469015\|emb\|CAB38276.1\| (AL035602) putative protein [Arabidopsis thaliana] gi\|7269618\|emb\|CAB81414.1\| (AL161571) putative protein [Arabidopsis thaliana]		

Seq. No.	42777	Seq. ID	OJ000350_69.0406.C27
Gene No.	89269	Strand	+
Start	1	End	11302
Name	OJ000350_69.0406.C27.o1.gs	Method	GENSCAN

Start	49	End	11302
GI	none	Score	.53
Exons	49..192, 348..851, 1186..1401, 1474..1563, 1642..1870, 2951..3073, 3158..3372, 3641..3753, 5609..5744, 5837..5941, 6047..6167, 6338..6435, 7265..7363, 7821..7954, 11089..11302		

Seq. No.	42777	Seq. ID	OJ000350_69.0406.C27
Gene No.	89269	Strand	+
Start	1	End	11302
Name	OJ000350_69.0406.C27.o2.np	Method	AAT/NAP
Start	3148	End	6779
GI	7452469	Score	422
Exons	3148..3372, 3464..3559, 3641..3753, 6762..6779		
GI Descrip.	hypothetical protein T29A15.120 - Arabidopsis thaliana gi\|4469014\|emb\|CAB38275.1\| (AL035602) putative protein [Arabidopsis thaliana] gi\|7269617\|emb\|CAB81413.1\| (AL161571) putative protein [Arabidopsis thaliana]		

Seq. No.	42777	Seq. ID	OJ000350_69.0406.C27
Gene No.	89269	Strand	+
Start	1	End	11302
Name	OJ000350_69.0406.C27.o1.gp	Method	AAT/GAP
Start	3165	End	3747
GI	428272	Score	782
Exons	3165..3372, 3464..3559, 3641..3747		
GI Descrip.	4469014/emb\|CAB38275\| 2.0e-45 (AL035602) putative protein [Arabidopsis thaliana]		

Seq. No.	42777	Seq. ID	OJ000350_69.0406.C27
Gene No.	89270	Strand	+
Start	13465	End	14504
Name	OJ000350_69.0406.C27.o2.gs	Method	GENSCAN
Start	13465	End	14504
GI	none	Score	.43
Exons	13465..13746, 13832..14372, 14374..14504		

Seq. No.	42777	Seq. ID	OJ000350_69.0406.C27
Gene No.	89271	Strand	-
Start	4683	End	14001
Name	OJ000350_69.0406.C27.o3.np	Method	AAT/NAP
Start	4683	End	14001
GI	6751696	Score	30
Exons	4683..5039, 13838..14001		
GI Descrip.	(AC018908) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42777	Seq. ID	OJ000350_69.0406.C27
Gene No.	89271	Strand	-
Start	4683	End	14001
Name	OJ000350_69.0406.C27.o2.gp	Method	AAT/GAP
Start	6219	End	6657
GI	none	Score	725
Exons	6219..6657		

Seq. No.	42777	Seq. ID	OJ000350_69.0406.C27
Gene No.	89272	Strand	-
Start	15664	End	15754
Name	OJ000350_69.0406.C27.o4.np	Method	AAT/NAP

Start	15664	End	15754
GI	5852084	Score	89
Exons	15664..15754		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	42777	Seq. ID	OJ000350_69.0406.C27
Gene No.	89273	Strand	-
Start	18581	End	19407
Name	OJ000350_69.0406.C27.o3.tm	Method	TBLASTX:Maize
Start	30	End	385
GI	none	Score	329
Exons	30..263, 49..264, 49..267, 51..266, 345..380, 347..385		

Seq. No.	42777	Seq. ID	OJ000350_69.0406.C27
Gene No.	89273	Strand	-
Start	18581	End	19407
Name	OJ000350_69.0406.C27.o1.ts	Method	TBLASTX:Soybean
Start	533	End	1044
GI	none	Score	423
Exons	533..859, 534..857, 536..859, 888..1034, 941..1027, 946..1044		

Seq. No.	42777	Seq. ID	OJ000350_69.0406.C27
Gene No.	89273	Strand	-
Start	18581	End	19407
Name	OJ000350_69.0406.C27.o5.ts	Method	TBLASTX:Soybean
Start	1812	End	2054
GI	4395907	Score	64
Exons	1812..1889, 1812..1889, 1813..1890, 1941..2054, 1960..2046		
GI Descrip.	-		

Seq. No.	42777	Seq. ID	OJ000350_69.0406.C27
Gene No.	89273	Strand	-
Start	18581	End	19407
Name	OJ000350_69.0406.C27.o1.tm	Method	TBLASTX:Maize
Start	1959	End	5696
GI	none	Score	120
Exons	1959..2042, 1960..2046, 1987..2046, 2519..2569, 2689..2730, 2690..2728, 2831..2860, 2832..2864, 2950..3105, 2950..3081, 3166..3378, 3169..3372, 3464..3559, 3465..3560, 3615..3752, 3632..3757, 3643..3756, 5562..5696, 5609..5695		

Seq. No.	42777	Seq. ID	OJ000350_69.0406.C27
Gene No.	89273	Strand	-
Start	18581	End	19407
Name	OJ000350_69.0406.C27.o2.tc	Method	TBLASTX:Cress
Start	1978	End	3345
GI	none	Score	87
Exons	1978..2046, 2950..3069, 2950..3048, 3160..3225, 3200..3262, 3289..3339, 3292..3345		

Seq. No.	42777	Seq. ID	OJ000350_69.0406.C27
Gene No.	89273	Strand	-
Start	18581	End	19407
Name	OJ000350_69.0406.C27.o2.ts	Method	TBLASTX:Soybean
Start	2941	End	3378
GI	none	Score	178
Exons	2941..3048, 2949..3071, 2950..3072, 3160..3228, 3169..3237,		

3181..3378, 3238..3369, 3276..3371

Seq. No.	42777	Seq. ID	OJ000350_69.0406.C27
Gene No.	89273	Strand	-
Start	18581	End	19407
Name	OJ000350_69.0406.C27.o3.ts	Method	TBLASTX:Soybean
Start	3448	End	3766
GI	none	Score	121
Exons	3448..3558, 3464..3559, 3465..3566, 3632..3766, 3644..3757, 3646..3765		

Seq. No.	42777	Seq. ID	OJ000350_69.0406.C27
Gene No.	89273	Strand	-
Start	18581	End	19407
Name	OJ000350_69.0406.C27.o4.ts	Method	TBLASTX:Soybean
Start	5645	End	6205
GI	none	Score	152
Exons	5645..5746, 5646..5747, 5646..5747, 5835..5924, 5837..5992, 5892..5912, 6045..6191, 6046..6192, 6046..6183, 6059..6205		

Seq. No.	42777	Seq. ID	OJ000350_69.0406.C27
Gene No.	89273	Strand	-
Start	18581	End	19407
Name	OJ000350_69.0406.C27.o1.tc	Method	TBLASTX:Cress
Start	5682	End	6238
GI	none	Score	85
Exons	5682..5747, 5684..5746, 5821..5937, 5837..5944, 6044..6196, 6059..6238		

Seq. No.	42777	Seq. ID	OJ000350_69.0406.C27
Gene No.	89273	Strand	-
Start	18581	End	19407
Name	OJ000350_69.0406.C27.o2.tm	Method	TBLASTX:Maize
Start	5856	End	6247
GI	none	Score	88
Exons	5856..5942, 5857..5937, 5858..5947, 5858..5950, 6037..6192, 6044..6247, 6045..6194, 6059..6247		

Seq. No.	42777	Seq. ID	OJ000350_69.0406.C27
Gene No.	89273	Strand	-
Start	18581	End	19407
Name	OJ000350_69.0406.C27.o3.gs	Method	GENSCAN
Start	18581	End	19407
GI	none	Score	.63
Exons	18581..18770, 19397..19407		

Seq. No.	42778	Seq. ID	OJ000350_69.0406.C28
Gene No.	89274	Strand	+
Start	1	End	5039
Name	OJ000350_69.0406.C28.o2.np	Method	AAT/NAP
Start	1	End	5039
GI	4680204	Score	67
Exons	1..50, 1891..1995, 2158..2228, 4960..5039		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	42778	Seq. ID	OJ000350_69.0406.C28
Gene No.	89274	Strand	+

Start	1	End	5039
Name	OJ000350_69.0406.C28.o1.gs	Method	GENSCAN
Start	1012	End	2196
GI	none	Score	1
Exons	1012..2196		

Seq. No.	42778	Seq. ID	OJ000350_69.0406.C28
Gene No.	89274	Strand	+
Start	1	End	5039
Name	OJ000350_69.0406.C28.o2.gp	Method	AAT/GAP
Start	1992	End	2313
GI	5607396	Score	588
Exons	1992..2313		

Seq. No.	42778	Seq. ID	OJ000350_69.0406.C28
Gene No.	89275	Strand	-
Start	1	End	5039
Name	OJ000350_69.0406.C28.o1.np	Method	AAT/NAP
Start	1	End	5039
GI	4680204	Score	52
Exons	1..31, 1097..1258, 1709..1791, 4935..5039		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	42778	Seq. ID	OJ000350_69.0406.C28
Gene No.	89275	Strand	-
Start	1	End	5039
Name	OJ000350_69.0406.C28.o1.gp	Method	AAT/GAP
Start	1599	End	1988
GI	none	Score	732
Exons	1599..1988		

Seq. No.	42778	Seq. ID	OJ000350_69.0406.C28
Gene No.	89275	Strand	-
Start	1	End	5039
Name	OJ000350_69.0406.C28.o3.np	Method	AAT/NAP
Start	4860	End	5039
GI	7523512	Score	113
Exons	4860..5039		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	42779	Seq. ID	OJ000350_69.0406.C29
Gene No.	89276	Strand	+
Start	10	End	6165
Name	OJ000350_69.0406.C29.o1.gs	Method	GENSCAN
Start	10	End	2436
GI	none	Score	.98
Exons	10..2436		

Seq. No.	42779	Seq. ID	OJ000350_69.0406.C29
Gene No.	89276	Strand	+
Start	10	End	6165
Name	OJ000350_69.0406.C29.o1.np	Method	AAT/NAP
Start	10	End	6162
GI	7228457	Score	9298
Exons	10..376, 438..2373, 2437..3271, 3394..4545, 4612..6162		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza		

sativa]

Seq. No.	42779	Seq. ID	OJ000350_69.0406.C29
Gene No.	89276	Strand	+
Start	10	End	6165
Name	OJ000350_69.0406.C29.o2.gs	Method	GENSCAN
Start	2500	End	6165
GI	none	Score	.74
Exons	2500..2953, 3071..3480, 3559..6165		

Seq. No.	42779	Seq. ID	OJ000350_69.0406.C29
Gene No.	89277	Strand	+
Start	11227	End	16448
Name	OJ000350_69.0406.C29.o3.np	Method	AAT/NAP
Start	11137	End	16448
GI	5042454	Score	873
Exons	11137..11291, 11628..11730, 11786..12238, 16383..16448		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	42779	Seq. ID	OJ000350_69.0406.C29
Gene No.	89277	Strand	+
Start	11227	End	16448
Name	OJ000350_69.0406.C29.o4.gs	Method	GENSCAN
Start	11227	End	14624
GI	none	Score	.84
Exons	11227..11287, 11606..11730, 11786..12305, 12426..12514, 12730..12932, 13129..13400, 13677..13820, 13911..14007, 14450..14624		

Seq. No.	42779	Seq. ID	OJ000350_69.0406.C29
Gene No.	89277	Strand	+
Start	11227	End	16448
Name	OJ000350_69.0406.C29.o4.np	Method	AAT/NAP
Start	11474	End	12238
GI	5042454	Score	692
Exons	11474..11730, 11786..12238		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	42779	Seq. ID	OJ000350_69.0406.C29
Gene No.	89278	Strand	-
Start	6794	End	10047
Name	OJ000350_69.0406.C29.o3.gs	Method	GENSCAN
Start	6794	End	10047
GI	none	Score	.9
Exons	6794..8687, 8786..8895, 8944..10047		

Seq. No.	42779	Seq. ID	OJ000350_69.0406.C29
Gene No.	89278	Strand	-
Start	6794	End	10047
Name	OJ000350_69.0406.C29.o2.np	Method	AAT/NAP
Start	6797	End	10047
GI	5803259	Score	4695
Exons	6797..8687, 8786..10047		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	42779	Seq. ID	OJ000350_69.0406.C29
Gene No.	89279	Strand	-

Start	15888	End	16049
Name	OJ000350_69.0406.C29.o6.tw	Method	TBLASTX:Wheat
Start	664	End	1056
GI	none	Score	58
Exons	664..711, 718..816, 723..815, 783..1022, 799..1056		

Seq. No.	42779	Seq. ID	OJ000350_69.0406.C29
Gene No.	89279	Strand	-
Start	15888	End	16049
Name	OJ000350_69.0406.C29.o4.tm	Method	TBLASTX:Maize
Start	669	End	954
GI	none	Score	197
Exons	669..953, 706..954		

Seq. No.	42779	Seq. ID	OJ000350_69.0406.C29
Gene No.	89279	Strand	-
Start	15888	End	16049
Name	OJ000350_69.0406.C29.o3.tw	Method	TBLASTX:Wheat
Start	1794	End	7665
GI	none	Score	399
Exons	1794..1931, 1795..2253, 1989..2249, 2020..2253, 7495..7665		

Seq. No.	42779	Seq. ID	OJ000350_69.0406.C29
Gene No.	89279	Strand	-
Start	15888	End	16049
Name	OJ000350_69.0406.C29.o1.tw	Method	TBLASTX:Wheat
Start	2444	End	2907
GI	none	Score	219
Exons	2444..2887, 2445..2900, 2446..2907, 2446..2901		

Seq. No.	42779	Seq. ID	OJ000350_69.0406.C29
Gene No.	89279	Strand	-
Start	15888	End	16049
Name	OJ000350_69.0406.C29.o3.ts	Method	TBLASTX:Soybean
Start	2485	End	2850
GI	none	Score	117
Exons	2485..2709, 2716..2850		

Seq. No.	42779	Seq. ID	OJ000350_69.0406.C29
Gene No.	89279	Strand	-
Start	15888	End	16049
Name	OJ000350_69.0406.C29.o1.tm	Method	TBLASTX:Maize
Start	2575	End	2931
GI	none	Score	392
Exons	2575..2931, 2610..2921, 2626..2931		

Seq. No.	42779	Seq. ID	OJ000350_69.0406.C29
Gene No.	89279	Strand	-
Start	15888	End	16049
Name	OJ000350_69.0406.C29.o2.tm	Method	TBLASTX:Maize
Start	2958	End	3342
GI	none	Score	352
Exons	2958..3323, 2959..3342		

Seq. No.	42779	Seq. ID	OJ000350_69.0406.C29
Gene No.	89279	Strand	-
Start	15888	End	16049

Name	OJ000350_69.0406.C29.o2.tw	Method	TBLASTX:Wheat
Start	3015	End	3435
GI	none	Score	483
Exons	3015..3410, 3016..3435, 3115..3423		

Seq. No.	42779	Seq. ID	OJ000350_69.0406.C29
Gene No.	89279	Strand	-
Start	15888	End	16049
Name	OJ000350_69.0406.C29.o1.ts	Method	TBLASTX:Soybean
Start	3094	End	3465
GI	none	Score	279
Exons	3094..3465, 3111..3254		

Seq. No.	42779	Seq. ID	OJ000350_69.0406.C29
Gene No.	89279	Strand	-
Start	15888	End	16049
Name	OJ000350_69.0406.C29.o5.tw	Method	TBLASTX:Wheat
Start	4066	End	4524
GI	none	Score	232
Exons	4066..4314, 4090..4314, 4155..4316, 4375..4524, 4384..4521, 4386..4523		

Seq. No.	42779	Seq. ID	OJ000350_69.0406.C29
Gene No.	89279	Strand	-
Start	15888	End	16049
Name	OJ000350_69.0406.C29.o2.ts	Method	TBLASTX:Soybean
Start	4213	End	4779
GI	5666795	Score	67
Exons	4213..4311, 4387..4524, 4579..4779		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	42779	Seq. ID	OJ000350_69.0406.C29
Gene No.	89279	Strand	-
Start	15888	End	16049
Name	OJ000350_69.0406.C29.o8.tw	Method	TBLASTX:Wheat
Start	4527	End	4839
GI	none	Score	178
Exons	4527..4703, 4579..4839		

Seq. No.	42779	Seq. ID	OJ000350_69.0406.C29
Gene No.	89279	Strand	-
Start	15888	End	16049
Name	OJ000350_69.0406.C29.o3.tm	Method	TBLASTX:Maize
Start	5041	End	5343
GI	none	Score	350
Exons	5041..5343, 5076..5342		

Seq. No.	42779	Seq. ID	OJ000350_69.0406.C29
Gene No.	89279	Strand	-
Start	15888	End	16049
Name	OJ000350_69.0406.C29.o4.tw	Method	TBLASTX:Wheat
Start	5169	End	5523
GI	none	Score	353
Exons	5169..5225, 5170..5523, 5271..5519		

Seq. No.	42779	Seq. ID	OJ000350_69.0406.C29
Gene No.	89279	Strand	-

Start	15888	End	16049
Name	OJ000350_69.0406.C29.o7.tw	Method	TBLASTX:Wheat
Start	5545	End	6153
GI	none	Score	266
Exons	5545..5835, 5577..5834, 5691..5861, 6027..6149, 6028..6153		

Seq. No.	42779	Seq. ID	OJ000350_69.0406.C29
Gene No.	89279	Strand	-
Start	15888	End	16049
Name	OJ000350_69.0406.C29.o5.tm	Method	TBLASTX:Maize
Start	6022	End	6168
GI	none	Score	185
Exons	6022..6168, 6027..6161		

Seq. No.	42779	Seq. ID	OJ000350_69.0406.C29
Gene No.	89279	Strand	-
Start	15888	End	16049
Name	OJ000350_69.0406.C29.o5.gs	Method	GENSCAN
Start	15888	End	16049
GI	none	Score	.62
Exons	15888..15908, 15981..16049		

Seq. No.	42780	Seq. ID	OJ000350_69.0406.C30
Gene No.	89280	Strand	+
Start	12841	End	12893
Name	OJ000350_69.0406.C30.o2.gp	Method	AAT/GAP
Start	12841	End	12893
GI	uC-osflcyp111c03a1	Score	83
Exons	12841..12893		
GI Descrip.	'6069643/dbj\|AP000616.1\|AP000616 4.0e-11 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	42780	Seq. ID	OJ000350_69.0406.C30
Gene No.	89281	Strand	+
Start	13552	End	14642
Name	OJ000350_69.0406.C30.o1.np	Method	AAT/NAP
Start	13161	End	14351
GI	7242910	Score	119
Exons	13161..13209, 13535..14192, 14263..14351		
GI Descrip.	(AP001383) hypothetical protein [Oryza sativa]		

Seq. No.	42780	Seq. ID	OJ000350_69.0406.C30
Gene No.	89281	Strand	+
Start	13552	End	14642
Name	OJ000350_69.0406.C30.o2.gs	Method	GENSCAN
Start	13552	End	14642
GI	none	Score	.93
Exons	13552..14192, 14570..14642		

Seq. No.	42780	Seq. ID	OJ000350_69.0406.C30
Gene No.	89282	Strand	-
Start	372	End	10028
Name	OJ000350_69.0406.C30.o1.gs	Method	GENSCAN
Start	372	End	10028
GI	none	Score	.5
Exons	372..417, 2971..3285, 4182..4367, 4369..4529, 6038..6116, 7174..7281, 7360..7473, 8198..8271, 8407..8484, 9028..9088,		

9172..9262, 9637..9732, 9784..10028

Seq. No.	42780	Seq. ID	OJ000350_69.0406.C30
Gene No.	89282	Strand	-
Start	372	End	10028
Name	OJ000350_69.0406.C30.o1.gp	Method	AAT/GAP
Start	5742	End	9929
GI	none	Score	1941
Exons	5742..6116, 6187..6225, 7174..7281, 7360..7473, 8198..8271, 8407..8484, 9028..9088, 9172..9262, 9784..9929		

Seq. No.	42780	Seq. ID	OJ000350_69.0406.C30
Gene No.	89282	Strand	-
Start	372	End	10028
Name	OJ000350_69.0406.C30.o1.tm	Method	TBLASTX:Maize
Start	6022	End	9875
GI	none	Score	122
Exons	6022..6111, 6024..6113, 6178..6225, 6188..6226, 7182..7283, 7300..7422, 7307..7513, 7351..7473, 7359..7502, 8197..8274, 8406..8486, 8409..8486, 9023..9088, 9025..9096, 9026..9100, 9030..9191, 9167..9265, 9169..9276, 9211..9273, 9783..9875		

Seq. No.	42780	Seq. ID	OJ000350_69.0406.C30
Gene No.	89282	Strand	-
Start	372	End	10028
Name	OJ000350_69.0406.C30.o1.tc	Method	TBLASTX:Cress
Start	6030	End	9872
GI	none	Score	64
Exons	6030..6116, 6039..6110, 6043..6120, 6178..6225, 6182..6226, 7191..7280, 7351..7473, 7361..7513, 9023..9088, 9028..9084, 9033..9086, 9169..9264, 9173..9265, 9783..9872		

Seq. No.	42780	Seq. ID	OJ000350_69.0406.C30
Gene No.	89282	Strand	-
Start	372	End	10028
Name	OJ000350_69.0406.C30.o1.ts	Method	TBLASTX:Soybean
Start	7363	End	9866
GI	none	Score	70
Exons	7363..7395, 7399..7479, 7403..7480, 9023..9088, 9033..9098, 9169..9276, 9179..9265, 9783..9866		

Seq. No.	42780	Seq. ID	OJ000350_69.0406.C30
Gene No.	89282	Strand	-
Start	372	End	10028
Name	OJ000350_69.0406.C30.o1.tw	Method	TBLASTX:Wheat
Start	7365	End	9266
GI	none	Score	76
Exons	7365..7475, 7366..7473, 7367..7513, 8197..8274, 8407..8481, 8409..8486, 9023..9088, 9033..9092, 9034..9096, 9167..9262, 9169..9261, 9174..9263, 9174..9266		

Seq. No.	42781	Seq. ID	OJ000350_69.0406.C31
Gene No.	89283	Strand	+
Start	295	End	1896
Name	OJ000350_69.0406.C31.o1.gs	Method	GENSCAN
Start	295	End	795
GI	none	Score	.98

Exons	295..626, 675..795		
Seq. No.	42781	Seq. ID	OJ000350_69.0406.C31
Gene No.	89283	Strand	+
Start	295	End	1896
Name	OJ000350_69.0406.C31.o1.np	Method	AAT/NAP
Start	529	End	1896
GI	4680341	Score	680
Exons	529..650, 676..759, 818..1201, 1500..1568, 1763..1896		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		
Seq. No.	42781	Seq. ID	OJ000350_69.0406.C31
Gene No.	89284	Strand	-
Start	1040	End	1133
Name	OJ000350_69.0406.C31.o2.gs	Method	GENSCAN
Start	1040	End	1133
GI	none	Score	.94
Exons	1040..1133		
Seq. No.	42781	Seq. ID	OJ000350_69.0406.C31
Gene No.	89285	Strand	
Start	1049	End	1490
Name	OJ000350_69.0406.C31.o1.tw	Method	TBLASTX:Wheat
Start	1049	End	1490
GI	none	Score	107
Exons	1049..1066, 1090..1188, 1091..1204, 1235..1324, 1246..1317, 1259..1324, 1260..1325, 1418..1480, 1431..1490		
Seq. No.	42782	Seq. ID	OJ000350_69.0406.C32
Gene No.	89286	Strand	-
Start	2311	End	4137
Name	OJ000350_69.0406.C32.o1.gp	Method	AAT/GAP
Start	2311	End	4137
GI	218_1.R1084	Score	1690
Exons	2311..2815, 3342..3467, 3786..3831, 3938..4137		
GI Descrip.	'4585708/emb\|CAB40842.1\| 1.0e-85 (AJ238117) putative phospholipase A2 [Oryza sativa]'		
Seq. No.	42782	Seq. ID	OJ000350_69.0406.C32
Gene No.	89286	Strand	-
Start	2311	End	4137
Name	OJ000350_69.0406.C32.o1.tm	Method	TBLASTX:Maize
Start	2628	End	4064
GI	none	Score	179
Exons	2628..2759, 2632..2757, 2751..2816, 2753..2812, 3343..3468, 3344..3490, 3406..3525, 3788..3826, 3790..3825, 3938..4048, 3940..4011, 3948..4064, 3954..4064		
Seq. No.	42782	Seq. ID	OJ000350_69.0406.C32
Gene No.	89286	Strand	-
Start	2311	End	4137
Name	OJ000350_69.0406.C32.o2.gs	Method	GENSCAN
Start	2637	End	4048
GI	none	Score	.96
Exons	2637..2815, 3342..3467, 3786..3891, 3938..4048		
Seq. No.	42782	Seq. ID	OJ000350_69.0406.C32

Gene No.	89286	Strand	-
Start	2311	End	4137
Name	OJ000350_69.0406.C32.o1.np	Method	AAT/NAP
Start	2640	End	4048
GI	4585708	Score	742
Exons	2640..2815, 3342..3467, 3786..3831, 3938..4048		
GI Descrip.	(AJ238117) putative phospholipase A2 [Oryza sativa]		

Seq. No.	42782	Seq. ID	OJ000350_69.0406.C32
Gene No.	89286	Strand	-
Start	2311	End	4137
Name	OJ000350_69.0406.C32.o1.tc	Method	TBLASTX:Cress
Start	2655	End	3490
GI	none	Score	130
Exons	2655..2786, 3343..3489, 3356..3490		

Seq. No.	42782	Seq. ID	OJ000350_69.0406.C32
Gene No.	89286	Strand	-
Start	2311	End	4137
Name	OJ000350_69.0406.C32.o1.ts	Method	TBLASTX:Soybean
Start	3343	End	3489
GI	none	Score	118
Exons	3343..3489, 3356..3469		

Seq. No.	42783	Seq. ID	OJ000350_69.0406.C33
Gene No.	89287	Strand	+
Start	1	End	12719
Name	OJ000350_69.0406.C33.o4.np	Method	AAT/NAP
Start	1	End	12719
GI	4680183	Score	143
Exons	1..49, 10325..10389, 12093..12161, 12628..12719		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	42783	Seq. ID	OJ000350_69.0406.C33
Gene No.	89287	Strand	+
Start	1	End	12719
Name	OJ000350_69.0406.C33.o1.gs	Method	GENSCAN
Start	352	End	5921
GI	none	Score	.45
Exons	352..380, 3044..3162, 3630..3764, 4171..4289, 4303..4348, 5035..5921		

Seq. No.	42783	Seq. ID	OJ000350_69.0406.C33
Gene No.	89287	Strand	+
Start	1	End	12719
Name	OJ000350_69.0406.C33.o1.np	Method	AAT/NAP
Start	1040	End	3984
GI	4680186	Score	122
Exons	1040..1066, 2468..2573, 3181..3240, 3845..3984		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	42783	Seq. ID	OJ000350_69.0406.C33
Gene No.	89287	Strand	+
Start	1	End	12719
Name	OJ000350_69.0406.C33.o3.gp	Method	AAT/GAP
Start	8202	End	8982
GI	4107134	Score	1157

Exons	8202..8982		
GI Descrip.	4680179/gb\|AAD27547.1\|AF111709_1 3.0e-97 (AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	42783	Seq. ID	OJ000350_69.0406.C33
Gene No.	89287	Strand	+
Start	1	End	12719
Name	OJ000350_69.0406.C33.o3.gs	Method	GENSCAN
Start	11924	End	12675
GI	none	Score	.8
Exons	11924..11957, 12093..12227, 12498..12616, 12630..12675		

Seq. No.	42783	Seq. ID	OJ000350_69.0406.C33
Gene No.	89288	Strand	-
Start	250	End	1012
Name	OJ000350_69.0406.C33.o1.gp	Method	AAT/GAP
Start	250	End	1012
GI	LIB3477-003-P1-K1-E9	Score	130
Exons	250..284, 948..1012		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	42783	Seq. ID	OJ000350_69.0406.C33
Gene No.	89289	Strand	-
Start	2727	End	3152
Name	OJ000350_69.0406.C33.o2.gp	Method	AAT/GAP
Start	2727	End	3152
GI	4878407	Score	663
Exons	2727..3152		
GI Descrip.	6069643/dbj\|AP000616.1\|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	42783	Seq. ID	OJ000350_69.0406.C33
Gene No.	89290	Strand	-
Start	6538	End	11088
Name	OJ000350_69.0406.C33.o2.gs	Method	GENSCAN
Start	6538	End	11088
GI	none	Score	.41
Exons	6538..7437, 7490..7514, 7694..11088		

Seq. No.	42783	Seq. ID	OJ000350_69.0406.C33
Gene No.	89290	Strand	-
Start	6538	End	11088
Name	OJ000350_69.0406.C33.o2.np	Method	AAT/NAP
Start	6541	End	11088
GI	4680179	Score	6767
Exons	6541..11088		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	42783	Seq. ID	OJ000350_69.0406.C33
Gene No.	89290	Strand	-
Start	6538	End	11088
Name	OJ000350_69.0406.C33.o7.tm	Method	TBLASTX:Maize
Start	6565	End	6777
GI	none	Score	207
Exons	6565..6777		

Seq. No.	42783	Seq. ID	OJ000350_69.0406.C33
Gene No.	89290	Strand	-
Start	6538	End	11088
Name	OJ000350_69.0406.C33.o6.tw	Method	TBLASTX:Wheat
Start	6586	End	6919
GI	none	Score	39
Exons	6586..6918, 6621..6677, 6719..6919		

Seq. No.	42783	Seq. ID	OJ000350_69.0406.C33
Gene No.	89290	Strand	-
Start	6538	End	11088
Name	OJ000350_69.0406.C33.o1.tm	Method	TBLASTX:Maize
Start	6778	End	7365
GI	none	Score	264
Exons	6778..7206, 6779..7201, 7204..7365, 7211..7357		

Seq. No.	42783	Seq. ID	OJ000350_69.0406.C33
Gene No.	89290	Strand	-
Start	6538	End	11088
Name	OJ000350_69.0406.C33.o1.tw	Method	TBLASTX:Wheat
Start	6919	End	7545
GI	none	Score	394
Exons	6919..7545, 6920..7543		

Seq. No.	42783	Seq. ID	OJ000350_69.0406.C33
Gene No.	89290	Strand	-
Start	6538	End	11088
Name	OJ000350_69.0406.C33.o4.tm	Method	TBLASTX:Maize
Start	7414	End	7705
GI	none	Score	240
Exons	7414..7704, 7418..7705		

Seq. No.	42783	Seq. ID	OJ000350_69.0406.C33
Gene No.	89290	Strand	-
Start	6538	End	11088
Name	OJ000350_69.0406.C33.o2.ts	Method	TBLASTX:Soybean
Start	7504	End	7764
GI	none	Score	168
Exons	7504..7764, 7505..7759, 7600..7761		

Seq. No.	42783	Seq. ID	OJ000350_69.0406.C33
Gene No.	89290	Strand	-
Start	6538	End	11088
Name	OJ000350_69.0406.C33.o3.tw	Method	TBLASTX:Wheat
Start	7552	End	8031
GI	none	Score	246
Exons	7552..8031, 7553..7804, 7585..7998		

Seq. No.	42783	Seq. ID	OJ000350_69.0406.C33
Gene No.	89290	Strand	-
Start	6538	End	11088
Name	OJ000350_69.0406.C33.o2.tw	Method	TBLASTX:Wheat
Start	8035	End	8544
GI	none	Score	268
Exons	8035..8544, 8122..8505, 8126..8536		

Seq. No.	42783	Seq. ID	OJ000350_69.0406.C33
Gene No.	89290	Strand	-
Start	6538	End	11088
Name	OJ000350_69.0406.C33.o2.tm	Method	TBLASTX:Maize
Start	8110	End	8472
GI	none	Score	177
Exons	8110..8436, 8119..8472, 8126..8470		

Seq. No.	42783	Seq. ID	OJ000350_69.0406.C33
Gene No.	89290	Strand	-
Start	6538	End	11088
Name	OJ000350_69.0406.C33.o3.ts	Method	TBLASTX:Soybean
Start	8293	End	8538
GI	none	Score	210
Exons	8293..8538		

Seq. No.	42783	Seq. ID	OJ000350_69.0406.C33
Gene No.	89290	Strand	-
Start	6538	End	11088
Name	OJ000350_69.0406.C33.o5.tm	Method	TBLASTX:Maize
Start	8473	End	8826
GI	none	Score	121
Exons	8473..8826, 8480..8758		

Seq. No.	42783	Seq. ID	OJ000350_69.0406.C33
Gene No.	89290	Strand	-
Start	6538	End	11088
Name	OJ000350_69.0406.C33.o5.tw	Method	TBLASTX:Wheat
Start	8545	End	8847
GI	none	Score	247
Exons	8545..8847, 8546..8815, 8554..8844, 8769..8846		

Seq. No.	42783	Seq. ID	OJ000350_69.0406.C33
Gene No.	89290	Strand	-
Start	6538	End	11088
Name	OJ000350_69.0406.C33.o1.ts	Method	TBLASTX:Soybean
Start	8560	End	8955
GI	none	Score	167
Exons	8560..8919, 8561..8815, 8590..8907, 8847..8912, 8923..8955, 8927..8953		

Seq. No.	42783	Seq. ID	OJ000350_69.0406.C33
Gene No.	89290	Strand	-
Start	6538	End	11088
Name	OJ000350_69.0406.C33.o3.tm	Method	TBLASTX:Maize
Start	8842	End	9309
GI	none	Score	107
Exons	8842..9309, 8939..9238		

Seq. No.	42783	Seq. ID	OJ000350_69.0406.C33
Gene No.	89290	Strand	-
Start	6538	End	11088
Name	OJ000350_69.0406.C33.o4.tw	Method	TBLASTX:Wheat
Start	8896	End	9378
GI	none	Score	271
Exons	8896..9378, 8939..9274, 8953..9339		

Seq. No.	42783	Seq. ID	OJ000350_69.0406.C33
Gene No.	89290	Strand	-
Start	6538	End	11088
Name	OJ000350_69.0406.C33.o4.ts	Method	TBLASTX:Soybean
Start	9028	End	9342
GI	none	Score	183
Exons	9028..9342		

Seq. No.	42783	Seq. ID	OJ000350_69.0406.C33
Gene No.	89290	Strand	-
Start	6538	End	11088
Name	OJ000350_69.0406.C33.o8.tw	Method	TBLASTX:Wheat
Start	9553	End	9954
GI	none	Score	54
Exons	9553..9726, 9584..9652, 9634..9693, 9730..9954, 9788..9940		

Seq. No.	42783	Seq. ID	OJ000350_69.0406.C33
Gene No.	89290	Strand	-
Start	6538	End	11088
Name	OJ000350_69.0406.C33.o8.tm	Method	TBLASTX:Maize
Start	9640	End	9916
GI	none	Score	78
Exons	9640..9915, 9815..9916		

Seq. No.	42783	Seq. ID	OJ000350_69.0406.C33
Gene No.	89290	Strand	-
Start	6538	End	11088
Name	OJ000350_69.0406.C33.o6.tm	Method	TBLASTX:Maize
Start	10282	End	10614
GI	none	Score	105
Exons	10282..10614, 10427..10591		

Seq. No.	42783	Seq. ID	OJ000350_69.0406.C33
Gene No.	89290	Strand	-
Start	6538	End	11088
Name	OJ000350_69.0406.C33.o7.tw	Method	TBLASTX:Wheat
Start	10495	End	10875
GI	none	Score	136
Exons	10495..10875, 10496..10855		

Seq. No.	42784	Seq. ID	OJ000350_69.0406.C34
Gene No.	89291	Strand	+
Start	756	End	2169
Name	OJ000350_69.0406.C34.o1.np	Method	AAT/NAP
Start	756	End	2169
GI	6069654	Score	582
Exons	756..823, 1300..2169		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	42784	Seq. ID	OJ000350_69.0406.C34
Gene No.	89291	Strand	+
Start	756	End	2169
Name	OJ000350_69.0406.C34.o1.gs	Method	GENSCAN
Start	1368	End	2153
GI	none	Score	.56
Exons	1368..1487, 1847..2153		

Seq. No.	42785	Seq. ID	OJ000350_69.0406.C35
Gene No.	89292	Strand	
Start	2231	End	2887
Name	OJ000350_69.0406.C35.o1.tm	Method	TBLASTX:Maize
Start	2231	End	2887
GI	none	Score	69
Exons	2231..2425, 2257..2388, 2257..2391, 2268..2465, 2285..2419, 2293..2391, 2307..2384, 2313..2399, 2374..2421, 2428..2478, 2452..2484, 2486..2584, 2492..2608, 2492..2614, 2492..2617, 2498..2647, 2499..2585, 2499..2627, 2501..2605, 2502..2627, 2513..2599, 2517..2606, 2627..2788, 2630..2737, 2636..2737, 2641..2742, 2646..2786, 2655..2738, 2661..2738, 2664..2741, 2668..2745, 2807..2887, 2809..2844		

Seq. No.	42786	Seq. ID	OJ000350_69.0406.C36
Gene No.	89293	Strand	+
Start	1	End	515
Name	OJ000350_69.0406.C36.o1.gp	Method	AAT/GAP
Start	1	End	342
GI	none	Score	495
Exons	1..342		

Seq. No.	42786	Seq. ID	OJ000350_69.0406.C36
Gene No.	89293	Strand	+
Start	1	End	515
Name	OJ000350_69.0406.C36.o1.gs	Method	GENSCAN
Start	50	End	460
GI	none	Score	.9
Exons	50..460		

Seq. No.	42786	Seq. ID	OJ000350_69.0406.C36
Gene No.	89293	Strand	+
Start	1	End	515
Name	OJ000350_69.0406.C36.o2.gp	Method	AAT/GAP
Start	93	End	515
GI	none	Score	349
Exons	93..123, 221..281, 318..515		

Seq. No.	42787	Seq. ID	OJ000350_69.0406.C37
Gene No.	89294	Strand	+
Start	8936	End	9204
Name	OJ000350_69.0406.C37.o2.gp	Method	AAT/GAP
Start	8936	End	9204
GI	uC-osroM202030b08b1	Score	389
Exons	8936..9204		
GI Descrip.	'584998/sp\|P37120\|C752_SOLME 2.0e-12 FLAVONOID 3'',5''-HYDROXYLASE (F3''5''H) (CYTOCHROME P450 75A2) (CYPLXXVA2) (P-450EG1) >gi_629713_pir__S43342 flavonoid hydroxylase cytochrome P450 - eggplant >gi_395261_emb_CAA50155_ (X70824) flavonoid hydroxylase (P450) [Solanum melongena]'		

Seq. No.	42787	Seq. ID	OJ000350_69.0406.C37
Gene No.	89295	Strand	-
Start	1	End	4910
Name	OJ000350_69.0406.C37.o1.np	Method	AAT/NAP
Start	1	End	4910
GI	6358770	Score	490

Exons	1..363, 1661..2031, 2805..2868, 4803..4910		
GI Descrip.	(AC011665) putative DNA-binding protein [Arabidopsis thaliana] gi\|6524180\|gb\|AAF15065.1\|AC011914_7 (AC011914) putative DNA-binding protein [Arabidopsis thaliana]		
Seq. No.	42787	Seq. ID	OJ000350_69.0406.C37
Gene No.	89295	Strand	-
Start	1	End	4910
Name	OJ000350_69.0406.C37.o1.ts	Method	TBLASTX:Soybean
Start	73	End	366
GI	none	Score	75
Exons	73..240, 223..309, 286..366, 290..364		
Seq. No.	42787	Seq. ID	OJ000350_69.0406.C37
Gene No.	89295	Strand	-
Start	1	End	4910
Name	OJ000350_69.0406.C37.o1.gs	Method	GENSCAN
Start	85	End	3741
GI	none	Score	.62
Exons	85..363, 669..689, 1661..2350, 2691..2763, 2964..3177, 3528..3741		
Seq. No.	42787	Seq. ID	OJ000350_69.0406.C37
Gene No.	89295	Strand	-
Start	1	End	4910
Name	OJ000350_69.0406.C37.o1.gp	Method	AAT/GAP
Start	215	End	1809
GI	5003540	Score	565
Exons	215..363, 1661..1809		
GI Descrip.	3402704 9.0e-10 (AC004261) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	42787	Seq. ID	OJ000350_69.0406.C37
Gene No.	89296	Strand	
Start	5511	End	5804
Name	OJ000350_69.0406.C37.o3.tm	Method	TBLASTX:Maize
Start	5511	End	5804
GI	none	Score	76
Exons	5511..5612, 5607..5804, 5628..5762		
Seq. No.	42787	Seq. ID	OJ000350_69.0406.C37
Gene No.	89297	Strand	
Start	5883	End	6731
Name	OJ000350_69.0406.C37.o1.tw	Method	TBLASTX:Wheat
Start	5883	End	6251
GI	none	Score	76
Exons	5883..6251, 5884..6027, 5889..6044		
Seq. No.	42787	Seq. ID	OJ000350_69.0406.C37
Gene No.	89297	Strand	
Start	5883	End	6731
Name	OJ000350_69.0406.C37.o1.tm	Method	TBLASTX:Maize
Start	5976	End	6447
GI	none	Score	61
Exons	5976..6062, 5980..6027, 6075..6446, 6087..6446, 6259..6447		
Seq. No.	42787	Seq. ID	OJ000350_69.0406.C37

Gene No.	89297	Strand	
Start	5883	End	6731
Name	OJ000350_69.0406.C37.o2.tw	Method	TBLASTX:Wheat
Start	6345	End	6731
GI	none	Score	74
Exons	6345..6443, 6489..6527, 6534..6731, 6547..6687		

Seq. No.	42787	Seq. ID	OJ000350_69.0406.C37
Gene No.	89297	Strand	
Start	5883	End	6731
Name	OJ000350_69.0406.C37.o2.tm	Method	TBLASTX:Maize
Start	6489	End	6725
GI	none	Score	116
Exons	6489..6725, 6490..6705, 6507..6716		

Seq. No.	42788	Seq. ID	OJ000350_69.0406.C38
Gene No.	89298	Strand	+
Start	423	End	565
Name	OJ000350_69.0406.C38.o1.gs	Method	GENSCAN
Start	423	End	565
GI	none	Score	.99
Exons	423..565		

Seq. No.	42788	Seq. ID	OJ000350_69.0406.C38
Gene No.	89299	Strand	+
Start	4674	End	8166
Name	OJ000350_69.0406.C38.o3.gs	Method	GENSCAN
Start	4674	End	8166
GI	none	Score	.42
Exons	4674..4898, 4931..4963, 6697..6753, 8038..8166		

Seq. No.	42788	Seq. ID	OJ000350_69.0406.C38
Gene No.	89300	Strand	+
Start	9157	End	13511
Name	OJ000350_69.0406.C38.o1.np	Method	AAT/NAP
Start	9115	End	13068
GI	6714410	Score	880
Exons	9115..9427, 10556..10800, 11754..13068		
GI Descrip.	(AC012328) unknown protein [Arabidopsis thaliana]		

Seq. No.	42788	Seq. ID	OJ000350_69.0406.C38
Gene No.	89300	Strand	+
Start	9157	End	13511
Name	OJ000350_69.0406.C38.o4.gs	Method	GENSCAN
Start	9157	End	13511
GI	none	Score	.71
Exons	9157..9427, 10646..10797, 11962..12036, 12315..12549, 13354..13511		

Seq. No.	42788	Seq. ID	OJ000350_69.0406.C38
Gene No.	89300	Strand	+
Start	9157	End	13511
Name	OJ000350_69.0406.C38.o1.gp	Method	AAT/GAP
Start	12372	End	12894
GI	none	Score	1038
Exons	12372..12894		

Seq. No.	42788	Seq. ID	OJ000350_69.0406.C38
Gene No.	89301	Strand	-
Start	14107	End	16143
Name	OJ000350_69.0406.C38.o2.tm	Method	TBLASTX:Maize
Start	11790	End	12248
GI	none	Score	98
Exons	11790..11885, 11790..11846, 11874..12104, 11895..12026, 12096..12221, 12099..12164, 12213..12248		

Seq. No.	42788	Seq. ID	OJ000350_69.0406.C38
Gene No.	89301	Strand	-
Start	14107	End	16143
Name	OJ000350_69.0406.C38.o1.ts	Method	TBLASTX:Soybean
Start	12096	End	12659
GI	none	Score	127
Exons	12096..12221, 12213..12254, 12258..12356, 12420..12659		

Seq. No.	42788	Seq. ID	OJ000350_69.0406.C38
Gene No.	89301	Strand	-
Start	14107	End	16143
Name	OJ000350_69.0406.C38.o1.tm	Method	TBLASTX:Maize
Start	12729	End	13096
GI	none	Score	105
Exons	12729..12815, 12729..12806, 12745..12822, 12814..13080, 12814..13077, 12815..13096, 12816..13088		

Seq. No.	42788	Seq. ID	OJ000350_69.0406.C38
Gene No.	89301	Strand	-
Start	14107	End	16143
Name	OJ000350_69.0406.C38.o5.gs	Method	GENSCAN
Start	14107	End	16143
GI	none	Score	.84
Exons	14107..16143		

Seq. No.	42788	Seq. ID	OJ000350_69.0406.C38
Gene No.	89301	Strand	-
Start	14107	End	16143
Name	OJ000350_69.0406.C38.o2.np	Method	AAT/NAP
Start	14125	End	16143
GI	2462747	Score	1725
Exons	14125..16143		
GI Descrip.	(AC002292) similar to "Mx" GTP-binding proteins [Arabidopsis thaliana]		

Seq. No.	42788	Seq. ID	OJ000350_69.0406.C38
Gene No.	89301	Strand	-
Start	14107	End	16143
Name	OJ000350_69.0406.C38.o3.ts	Method	TBLASTX:Soybean
Start	14488	End	14760
GI	none	Score	52
Exons	14488..14760, 14492..14662, 14674..14760		

Seq. No.	42788	Seq. ID	OJ000350_69.0406.C38
Gene No.	89301	Strand	-
Start	14107	End	16143
Name	OJ000350_69.0406.C38.o3.tm	Method	TBLASTX:Maize
Start	15368	End	15702

GI	none	Score	123
Exons	15368..15688, 15391..15702		
Seq. No.	42788	Seq. ID	OJ000350_69.0406.C38
Gene No.	89301	Strand	-
Start	14107	End	16143
Name	OJ000350_69.0406.C38.o1.tc	Method	TBLASTX:Cress
Start	15391	End	15948
GI	none	Score	85
Exons	15391..15702, 15820..15936, 15880..15948		
Seq. No.	42788	Seq. ID	OJ000350_69.0406.C38
Gene No.	89301	Strand	-
Start	14107	End	16143
Name	OJ000350_69.0406.C38.o2.ts	Method	TBLASTX:Soybean
Start	15391	End	15948
GI	none	Score	63
Exons	15391..15702, 15581..15694, 15823..15936, 15833..15874, 15878..15946, 15880..15948		
Seq. No.	42789	Seq. ID	OJ000350_69.0406.C39
Gene No.	89302	Strand	-
Start	1468	End	4433
Name	OJ000350_69.0406.C39.o1.gp	Method	AAT/GAP
Start	838	End	1586
GI	none	Score	806
Exons	838..1111, 1442..1586		
Seq. No.	42789	Seq. ID	OJ000350_69.0406.C39
Gene No.	89302	Strand	-
Start	1468	End	4433
Name	OJ000350_69.0406.C39.o2.gs	Method	GENSCAN
Start	1468	End	2601
GI	none	Score	1
Exons	1468..2601		
Seq. No.	42789	Seq. ID	OJ000350_69.0406.C39
Gene No.	89302	Strand	-
Start	1468	End	4433
Name	OJ000350_69.0406.C39.o1.np	Method	AAT/NAP
Start	1483	End	4415
GI	6453886	Score	702
Exons	1483..1921, 1955..2173, 2228..2702, 2912..3099, 3526..4415		
GI Descrip.	(AC011663) unknown protein [Arabidopsis thaliana]		
Seq. No.	42789	Seq. ID	OJ000350_69.0406.C39
Gene No.	89302	Strand	-
Start	1468	End	4433
Name	OJ000350_69.0406.C39.o3.gs	Method	GENSCAN
Start	2883	End	4433
GI	none	Score	.97
Exons	2883..4433		
Seq. No.	42789	Seq. ID	OJ000350_69.0406.C39
Gene No.	89302	Strand	-
Start	1468	End	4433
Name	OJ000350_69.0406.C39.o2.gp	Method	AAT/GAP

Start	3609	End	4141
GI	none	Score	1018
Exons	3609..4141		

Seq. No.	42789	Seq. ID	OJ000350_69.0406.C39
Gene No.	89303	Strand	-
Start	9570	End	11298
Name	OJ000350_69.0406.C39.o2.ts	Method	TBLASTX:Soybean
Start	1492	End	1692
GI	none	Score	65
Exons	1492..1692, 1571..1615		

Seq. No.	42789	Seq. ID	OJ000350_69.0406.C39
Gene No.	89303	Strand	-
Start	9570	End	11298
Name	OJ000350_69.0406.C39.o1.tm	Method	TBLASTX:Maize
Start	1495	End	2151
GI	none	Score	154
Exons	1495..1728, 1497..1655, 1654..1713, 1703..1753, 1756..1863, 1757..1861, 1876..2127, 1959..2069, 2068..2151		

Seq. No.	42789	Seq. ID	OJ000350_69.0406.C39
Gene No.	89303	Strand	-
Start	9570	End	11298
Name	OJ000350_69.0406.C39.o1.tc	Method	TBLASTX:Cress
Start	1513	End	2590
GI	none	Score	80
Exons	1513..1686, 1687..1914, 1915..2058, 2245..2580, 2396..2452, 2396..2590, 2440..2577		

Seq. No.	42789	Seq. ID	OJ000350_69.0406.C39
Gene No.	89303	Strand	-
Start	9570	End	11298
Name	OJ000350_69.0406.C39.o1.ts	Method	TBLASTX:Soybean
Start	2242	End	2629
GI	none	Score	68
Exons	2242..2580, 2339..2446, 2431..2481, 2588..2629		

Seq. No.	42789	Seq. ID	OJ000350_69.0406.C39
Gene No.	89303	Strand	-
Start	9570	End	11298
Name	OJ000350_69.0406.C39.o2.tm	Method	TBLASTX:Maize
Start	2341	End	2616
GI	none	Score	81
Exons	2341..2616, 2342..2449, 2431..2577		

Seq. No.	42789	Seq. ID	OJ000350_69.0406.C39
Gene No.	89303	Strand	-
Start	9570	End	11298
Name	OJ000350_69.0406.C39.o3.tm	Method	TBLASTX:Maize
Start	2916	End	3128
GI	none	Score	195
Exons	2916..3128, 2938..3114		

Seq. No.	42789	Seq. ID	OJ000350_69.0406.C39
Gene No.	89303	Strand	-
Start	9570	End	11298

Name	OJ000350_69.0406.C39.o2.np	Method	AAT/NAP
Start	9570	End	11298
GI	6907086	Score	618
Exons	9570..9988, 10188..10232, 10310..10506, 10558..11298		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	42790	Seq. ID	OJ000350_50.0403.C2
Gene No.	89304	Strand	+
Start	1132	End	4509
Name	OJ000350_50.0403.C2.o1.gs	Method	GENSCAN
Start	1132	End	4509
GI	none	Score	.57
Exons	1132..1141, 1496..1571, 2149..2336, 3585..3603, 3955..3975, 4257..4509		

Seq. No.	42790	Seq. ID	OJ000350_50.0403.C2
Gene No.	89304	Strand	+
Start	1132	End	4509
Name	OJ000350_50.0403.C2.o1.np	Method	AAT/NAP
Start	1644	End	3421
GI	7228450	Score	283
Exons	1644..1698, 2891..2950, 3083..3222, 3308..3421		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	42790	Seq. ID	OJ000350_50.0403.C2
Gene No.	89305	Strand	-
Start	6274	End	8690
Name	OJ000350_50.0403.C2.o2.np	Method	AAT/NAP
Start	5968	End	8690
GI	7363274	Score	421
Exons	5968..6169, 7292..7603, 8638..8690		
GI Descrip.	(AP001552) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F17A8; putative protein. (AL049482) [Oryza sativa]		

Seq. No.	42790	Seq. ID	OJ000350_50.0403.C2
Gene No.	89305	Strand	-
Start	6274	End	8690
Name	OJ000350_50.0403.C2.o2.gs	Method	GENSCAN
Start	6274	End	8594
GI	none	Score	.74
Exons	6274..6301, 6525..6872, 7717..7855, 7935..8040, 8199..8594		

Seq. No.	42791	Seq. ID	OJ000350_50.0403.C3
Gene No.	89306	Strand	-
Start	425	End	1372
Name	OJ000350_50.0403.C3.o1.gs	Method	GENSCAN
Start	425	End	1372
GI	none	Score	.67
Exons	425..555, 1220..1372		

Seq. No.	42792	Seq. ID	OJ000350_50.0403.C4
Gene No.	89307	Strand	+
Start	862	End	4663
Name	OJ000350_50.0403.C4.o1.np	Method	AAT/NAP
Start	862	End	4663
GI	5880683	Score	39
Exons	862..904, 988..1089, 4640..4663		

GI Descrip.	(AF135454) telomerase reverse transcriptase [Arabidopsis thaliana]		
Seq. No.	42792	Seq. ID	OJ000350_50.0403.C4
Gene No.	89307	Strand	+
Start	862	End	4663
Name	OJ000350_50.0403.C4.o2.gs	Method	GENSCAN
Start	3845	End	4294
GI	none	Score	.68
Exons	3845..4294		
Seq. No.	42793	Seq. ID	OJ000350_50.0403.C5
Gene No.	89308	Strand	+
Start	1804	End	7080
Name	OJ000350_50.0403.C5.o1.np	Method	AAT/NAP
Start	1804	End	7080
GI	5880683	Score	447
Exons	1804..1856, 5244..6236, 6828..7080		
GI Descrip.	(AF135454) telomerase reverse transcriptase [Arabidopsis thaliana]		
Seq. No.	42793	Seq. ID	OJ000350_50.0403.C5
Gene No.	89308	Strand	+
Start	1804	End	7080
Name	OJ000350_50.0403.C5.o1.gs	Method	GENSCAN
Start	1878	End	6284
GI	none	Score	.49
Exons	1878..1967, 5154..5426, 5475..6284		
Seq. No.	42794	Seq. ID	OJ000350_50.0403.C6
Gene No.	89309	Strand	+
Start	1	End	304
Name	OJ000350_50.0403.C6.o1.np	Method	AAT/NAP
Start	1	End	304
GI	5880683	Score	181
Exons	1..304		
GI Descrip.	(AF135454) telomerase reverse transcriptase [Arabidopsis thaliana]		
Seq. No.	42794	Seq. ID	OJ000350_50.0403.C6
Gene No.	89310	Strand	+
Start	5368	End	5565
Name	OJ000350_50.0403.C6.o2.gs	Method	GENSCAN
Start	5368	End	5565
GI	none	Score	.85
Exons	5368..5565		
Seq. No.	42794	Seq. ID	OJ000350_50.0403.C6
Gene No.	89311	Strand	+
Start	5631	End	6130
Name	OJ000350_50.0403.C6.o1.gp	Method	AAT/GAP
Start	5631	End	6130
GI	none	Score	977
Exons	5631..6130		
Seq. No.	42794	Seq. ID	OJ000350_50.0403.C6
Gene No.	89312	Strand	-

Start	5697	End	10009
Name	OJ000350_50.0403.C6.o3.gs	Method	GENSCAN
Start	5697	End	9759
GI	none	Score	.45
Exons	5697..5732, 6018..6176, 6392..6464, 6644..6840, 7345..7618, 9557..9759		

Seq. No.	42794	Seq. ID	OJ000350_50.0403.C6
Gene No.	89312	Strand	-
Start	5697	End	10009
Name	OJ000350_50.0403.C6.o1.tm	Method	TBLASTX:Maize
Start	6531	End	6841
GI	none	Score	231
Exons	6531..6836, 6574..6840, 6626..6841, 6638..6835		

Seq. No.	42794	Seq. ID	OJ000350_50.0403.C6
Gene No.	89312	Strand	-
Start	5697	End	10009
Name	OJ000350_50.0403.C6.o2.np	Method	AAT/NAP
Start	6601	End	10009
GI	6728881	Score	567
Exons	6601..6840, 7345..7618, 9557..9761, 9971..10009		
GI Descrip.	(AC008113) F12A21.2 [Arabidopsis thaliana]		

Seq. No.	42794	Seq. ID	OJ000350_50.0403.C6
Gene No.	89312	Strand	-
Start	5697	End	10009
Name	OJ000350_50.0403.C6.o2.tm	Method	TBLASTX:Maize
Start	7417	End	9762
GI	none	Score	179
Exons	7417..7623, 7469..7624, 9557..9703, 9564..9710, 9565..9702, 9706..9762, 9707..9757, 9708..9761		

Seq. No.	42795	Seq. ID	OJ000350_50.0403.C7
Gene No.	89313	Strand	+
Start	402	End	4432
Name	OJ000350_50.0403.C7.o1.gs	Method	GENSCAN
Start	402	End	4432
GI	none	Score	.4
Exons	402..479, 2019..2557, 3938..4138, 4288..4432		

Seq. No.	42795	Seq. ID	OJ000350_50.0403.C7
Gene No.	89314	Strand	-
Start	1	End	2342
Name	OJ000350_50.0403.C7.o1.gp	Method	AAT/GAP
Start	1	End	772
GI	none	Score	581
Exons	1..160, 601..772		

Seq. No.	42795	Seq. ID	OJ000350_50.0403.C7
Gene No.	89314	Strand	-
Start	1	End	2342
Name	OJ000350_50.0403.C7.o1.np	Method	AAT/NAP
Start	1	End	2342
GI	6728881	Score	294
Exons	1..160, 601..768, 1911..2342		
GI Descrip.	(AC008113) F12A21.2 [Arabidopsis thaliana]		

Seq. No.	42795	Seq. ID	OJ000350_50.0403.C7
Gene No.	89315	Strand	-
Start	2931	End	3526
Name	OJ000350_50.0403.C7.o2.np	Method	AAT/NAP
Start	2931	End	3526
GI	5902446	Score	296
Exons	2931..2973, 3108..3526		
GI Descrip.	(AB030283) orf5 [Oryza sativa]		

Seq. No.	42796	Seq. ID	OJ000350_50.0403.C9
Gene No.	89316	Strand	+
Start	1	End	12508
Name	OJ000350_50.0403.C9.o7.np	Method	AAT/NAP
Start	1	End	12508
GI	4680183	Score	136
Exons	1..68, 11750..11810, 12419..12508		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	42796	Seq. ID	OJ000350_50.0403.C9
Gene No.	89316	Strand	+
Start	1	End	12508
Name	OJ000350_50.0403.C9.o2.np	Method	AAT/NAP
Start	969	End	2666
GI	7228450	Score	205
Exons	969..1030, 2136..2242, 2337..2466, 2552..2666		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	42796	Seq. ID	OJ000350_50.0403.C9
Gene No.	89317	Strand	+
Start	13787	End	14362
Name	OJ000350_50.0403.C9.o8.np	Method	AAT/NAP
Start	13787	End	14362
GI	6721559	Score	383
Exons	13787..14260, 14289..14362		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815084\|dbj\|BAA90370.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	42796	Seq. ID	OJ000350_50.0403.C9
Gene No.	89318	Strand	-
Start	817	End	1586
Name	OJ000350_50.0403.C9.o1.np	Method	AAT/NAP
Start	817	End	1586
GI	4680183	Score	212
Exons	817..906, 1516..1586		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	42796	Seq. ID	OJ000350_50.0403.C9
Gene No.	89319	Strand	-
Start	4951	End	11415
Name	OJ000350_50.0403.C9.o3.np	Method	AAT/NAP
Start	4951	End	11229
GI	6691191	Score	1086
Exons	4951..6552, 11164..11229		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	42796	Seq. ID	OJ000350_50.0403.C9
Gene No.	89319	Strand	-
Start	4951	End	11415
Name	OJ000350_50.0403.C9.o2.ts	Method	TBLASTX:Soybean
Start	5044	End	5464
GI	none	Score	70
Exons	5044..5133, 5182..5409, 5399..5464		

Seq. No.	42796	Seq. ID	OJ000350_50.0403.C9
Gene No.	89319	Strand	-
Start	4951	End	11415
Name	OJ000350_50.0403.C9.o5.tw	Method	TBLASTX:Wheat
Start	5140	End	5400
GI	none	Score	215
Exons	5140..5400		

Seq. No.	42796	Seq. ID	OJ000350_50.0403.C9
Gene No.	89319	Strand	-
Start	4951	End	11415
Name	OJ000350_50.0403.C9.o3.tw	Method	TBLASTX:Wheat
Start	5405	End	5835
GI	none	Score	108
Exons	5405..5803, 5616..5804, 5788..5835		

Seq. No.	42796	Seq. ID	OJ000350_50.0403.C9
Gene No.	89319	Strand	-
Start	4951	End	11415
Name	OJ000350_50.0403.C9.o1.ts	Method	TBLASTX:Soybean
Start	5483	End	5836
GI	none	Score	129
Exons	5483..5806, 5520..5771, 5794..5835, 5795..5836		

Seq. No.	42796	Seq. ID	OJ000350_50.0403.C9
Gene No.	89319	Strand	-
Start	4951	End	11415
Name	OJ000350_50.0403.C9.o1.tc	Method	TBLASTX:Cress
Start	5857	End	6088
GI	none	Score	75
Exons	5857..6036, 5860..6030, 6044..6088		

Seq. No.	42796	Seq. ID	OJ000350_50.0403.C9
Gene No.	89319	Strand	-
Start	4951	End	11415
Name	OJ000350_50.0403.C9.o4.tw	Method	TBLASTX:Wheat
Start	5953	End	6400
GI	none	Score	113
Exons	5953..6039, 6044..6133, 6143..6208, 6197..6400, 6216..6398		

Seq. No.	42796	Seq. ID	OJ000350_50.0403.C9
Gene No.	89319	Strand	-
Start	4951	End	11415
Name	OJ000350_50.0403.C9.o3.tm	Method	TBLASTX:Maize
Start	6768	End	7135
GI	none	Score	42
Exons	6768..6914, 6965..7084, 7088..7135		

Seq. No.	42796	Seq. ID	OJ000350_50.0403.C9

Gene No.	89319	Strand	-
Start	4951	End	11415
Name	OJ000350_50.0403.C9.o2.tm	Method	TBLASTX:Maize
Start	7349	End	7714
GI	none	Score	43
Exons	7349..7441, 7433..7510, 7443..7490, 7490..7699, 7491..7637, 7694..7714		

Seq. No.	42796	Seq. ID	OJ000350_50.0403.C9
Gene No.	89319	Strand	-
Start	4951	End	11415
Name	OJ000350_50.0403.C9.o2.tw	Method	TBLASTX:Wheat
Start	7385	End	7717
GI	none	Score	63
Exons	7385..7498, 7392..7469, 7508..7717, 7508..7714		

Seq. No.	42796	Seq. ID	OJ000350_50.0403.C9
Gene No.	89319	Strand	-
Start	4951	End	11415
Name	OJ000350_50.0403.C9.o1.tm	Method	TBLASTX:Maize
Start	7715	End	8637
GI	none	Score	261
Exons	7715..7834, 7853..8074, 8182..8637		

Seq. No.	42796	Seq. ID	OJ000350_50.0403.C9
Gene No.	89319	Strand	-
Start	4951	End	11415
Name	OJ000350_50.0403.C9.o4.np	Method	AAT/NAP
Start	8257	End	9800
GI	7484649	Score	623
Exons	8257..9800		
GI Descrip.	reverse transcriptase - beet retrotransposon (fragment) gi\|2462134\|emb\|CAA73798.1\| (Y13368) reverse transcriptase [Beta vulgaris]		

Seq. No.	42796	Seq. ID	OJ000350_50.0403.C9
Gene No.	89319	Strand	-
Start	4951	End	11415
Name	OJ000350_50.0403.C9.o1.tw	Method	TBLASTX:Wheat
Start	9321	End	9740
GI	none	Score	140
Exons	9321..9740, 9418..9729, 9588..9734		

Seq. No.	42796	Seq. ID	OJ000350_50.0403.C9
Gene No.	89319	Strand	-
Start	4951	End	11415
Name	OJ000350_50.0403.C9.o6.np	Method	AAT/NAP
Start	10484	End	11415
GI	6539577	Score	187
Exons	10484..10740, 11157..11415		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	42797	Seq. ID	OJ000350_50.0403.C10
Gene No.	89320	Strand	+
Start	2542	End	3283
Name	OJ000350_50.0403.C10.o2.np	Method	AAT/NAP
Start	2542	End	3283

GI	6815052	Score	185
Exons	2542..2695, 2777..2901, 3210..3283		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	42797	Seq. ID	OJ000350_50.0403.C10
Gene No.	89321	Strand	-
Start	1	End	4248
Name	OJ000350_50.0403.C10.o1.np	Method	AAT/NAP
Start	1	End	4248
GI	6691191	Score	1388
Exons	1..44, 805..2099, 4173..4248		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	42797	Seq. ID	OJ000350_50.0403.C10
Gene No.	89321	Strand	-
Start	1	End	4248
Name	OJ000350_50.0403.C10.o1.gs	Method	GENSCAN
Start	384	End	3483
GI	none	Score	.4
Exons	384..505, 565..801, 866..1307, 1422..2036, 3154..3483		

Seq. No.	42797	Seq. ID	OJ000350_50.0403.C10
Gene No.	89321	Strand	-
Start	1	End	4248
Name	OJ000350_50.0403.C10.o2.ts	Method	TBLASTX:Soybean
Start	825	End	1160
GI	none	Score	113
Exons	825..1094, 826..1083, 1095..1160		

Seq. No.	42797	Seq. ID	OJ000350_50.0403.C10
Gene No.	89321	Strand	-
Start	1	End	4248
Name	OJ000350_50.0403.C10.o3.tw	Method	TBLASTX:Wheat
Start	825	End	1020
GI	none	Score	59
Exons	825..1016, 828..1016, 829..1020		

Seq. No.	42797	Seq. ID	OJ000350_50.0403.C10
Gene No.	89321	Strand	-
Start	1	End	4248
Name	OJ000350_50.0403.C10.o1.tm	Method	TBLASTX:Maize
Start	873	End	1286
GI	none	Score	268
Exons	873..1286		

Seq. No.	42797	Seq. ID	OJ000350_50.0403.C10
Gene No.	89321	Strand	-
Start	1	End	4248
Name	OJ000350_50.0403.C10.o1.tw	Method	TBLASTX:Wheat
Start	1020	End	1451
GI	none	Score	250
Exons	1020..1430, 1020..1451, 1171..1434		

Seq. No.	42797	Seq. ID	OJ000350_50.0403.C10
Gene No.	89321	Strand	-
Start	1	End	4248
Name	OJ000350_50.0403.C10.o2.tm	Method	TBLASTX:Maize

Start	1323	End	1664
GI	none	Score	211
Exons	1323..1664		

Seq. No.	42797	Seq. ID	OJ000350_50.0403.C10
Gene No.	89321	Strand	-
Start	1	End	4248
Name	OJ000350_50.0403.C10.o1.ts	Method	TBLASTX:Soybean
Start	1526	End	1952
GI	none	Score	143
Exons	1526..1660, 1527..1865, 1527..1952, 1528..1872		

Seq. No.	42797	Seq. ID	OJ000350_50.0403.C10
Gene No.	89321	Strand	-
Start	1	End	4248
Name	OJ000350_50.0403.C10.o2.tw	Method	TBLASTX:Wheat
Start	1548	End	1952
GI	none	Score	189
Exons	1548..1952, 1657..1872		

Seq. No.	42798	Seq. ID	OJ000350_50.0403.C11
Gene No.	89322	Strand	+
Start	1	End	1473
Name	OJ000350_50.0403.C11.o1.np	Method	AAT/NAP
Start	1	End	1473
GI	5852181	Score	121
Exons	1..52, 1261..1473		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	42798	Seq. ID	OJ000350_50.0403.C11
Gene No.	89323	Strand	+
Start	2129	End	2661
Name	OJ000350_50.0403.C11.o1.gp	Method	AAT/GAP
Start	2129	End	2661
GI	none	Score	1050
Exons	2129..2661		

Seq. No.	42798	Seq. ID	OJ000350_50.0403.C11
Gene No.	89324	Strand	-
Start	2667	End	3083
Name	OJ000350_50.0403.C11.o2.gp	Method	AAT/GAP
Start	2667	End	3083
GI	none	Score	771
Exons	2667..3083		

Seq. No.	42798	Seq. ID	OJ000350_50.0403.C11
Gene No.	89325	Strand	-
Start	3162	End	4231
Name	OJ000350_50.0403.C11.o3.gp	Method	AAT/GAP
Start	3162	End	4231
GI	606_5.R1084	Score	1832
Exons	3162..3933, 4037..4231		
GI Descrip.	'132105/sp\|P18567\|RBS3_ORYSA 2.0e-75 RIBULOSE BISPHOSPHATE CARBOXYLASE SMALL CHAIN C PRECURSOR (RUBISCO SMALL SUBUNIT C) >gi_68094_pir__RKRZS9 ribulose-bisphosphate carboxylase (EC 4.1.1.39) small chain precursor (clone pOSSS1139) - rice >gi_218208_dbj_BAA00538_ (D00643) small subunit of		

ribulose-1,5-bisphosphate carboxylase (RuBPC) [Oryza sativa] >gi_2407283 (AF017364) ribulose 1,5-bi'

Seq. No.	42798	Seq. ID	OJ000350_50.0403.C11
Gene No.	89325	Strand	-
Start	3162	End	4231
Name	OJ000350_50.0403.C11.o2.np	Method	AAT/NAP
Start	3556	End	4183
GI	132105	Score	880
Exons	3556..3933, 4037..4183		
GI Descrip.	RIBULOSE BISPHOSPHATE CARBOXYLASE SMALL CHAIN C PRECURSOR (RUBISCO SMALL SUBUNIT C) gi\|68094\|pir\|\|RKRZS9 ribulose-bisphosphate carboxylase (EC 4.1.1.39) small chain precursor (clone pOSSS1139) - rice gi\|218208\|dbj\|BAA00538\| (D00643) small subunit of ribulose-1,5-bisphosphate carboxylase (RuBPC) [Oryza sativa] gi\|2407283 (AF017364) ribulose 1,5-bisphosphate carboxyla		

Seq. No.	42798	Seq. ID	OJ000350_50.0403.C11
Gene No.	89326	Strand	-
Start	10273	End	14283
Name	OJ000350_50.0403.C11.o1.tw	Method	TBLASTX:Wheat
Start	3562	End	4231
GI	none	Score	379
Exons	3562..3936, 3563..3934, 3568..3936, 4034..4138, 4034..4231, 4092..4187, 4123..4188		

Seq. No.	42798	Seq. ID	OJ000350_50.0403.C11
Gene No.	89326	Strand	-
Start	10273	End	14283
Name	OJ000350_50.0403.C11.o1.tm	Method	TBLASTX:Maize
Start	3568	End	4171
GI	none	Score	293
Exons	3568..3936, 3571..3936, 3572..3952, 3590..3943, 3997..4059, 4036..4071, 4095..4169, 4106..4171		

Seq. No.	42798	Seq. ID	OJ000350_50.0403.C11
Gene No.	89326	Strand	-
Start	10273	End	14283
Name	OJ000350_50.0403.C11.o1.ts	Method	TBLASTX:Soybean
Start	3568	End	4171
GI	none	Score	288
Exons	3568..3936, 3571..3936, 3572..3952, 3590..3943, 3997..4059, 4036..4071, 4095..4169, 4106..4171		

Seq. No.	42798	Seq. ID	OJ000350_50.0403.C11
Gene No.	89326	Strand	-
Start	10273	End	14283
Name	OJ000350_50.0403.C11.o1.tc	Method	TBLASTX:Cress
Start	3682	End	4199
GI	none	Score	373
Exons	3682..3936, 3683..3943, 3710..3934, 4104..4196, 4106..4192, 4119..4199		

Seq. No.	42798	Seq. ID	OJ000350_50.0403.C11
Gene No.	89326	Strand	-
Start	10273	End	14283

Name	OJ000350_50.0403.C11.o3.np	Method	AAT/NAP
Start	5960	End	14283
GI	7228438	Score	1128
Exons	5960..6029, 11146..11567, 12915..13064, 13157..13418, 13523..13821, 13902..14283		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	42798	Seq. ID	OJ000350_50.0403.C11
Gene No.	89326	Strand	-
Start	10273	End	14283
Name	OJ000350_50.0403.C11.o3.gs	Method	GENSCAN
Start	10273	End	14231
GI	none	Score	.87
Exons	10273..10448, 10919..11060, 11146..11466, 11546..11790, 11891..12108, 12279..12541, 12810..12911, 13157..13418, 13523..13821, 13902..14020, 14054..14231		

Seq. No.	42798	Seq. ID	OJ000350_50.0403.C11
Gene No.	89326	Strand	-
Start	10273	End	14283
Name	OJ000350_50.0403.C11.o4.gp	Method	AAT/GAP
Start	12479	End	12910
GI	LIB3433-020-P1-K1-A6	Score	727
Exons	12479..12910		
GI Descrip.	'5670155/gb\|AF161269.1\|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	42799	Seq. ID	OJ000350_50.0403.C12
Gene No.	89327	Strand	-
Start	78	End	2939
Name	OJ000350_50.0403.C12.o1.gs	Method	GENSCAN
Start	78	End	2600
GI	none	Score	.49
Exons	78..195, 269..342, 640..668, 889..1143, 1198..1242, 1412..1786, 1991..2600		

Seq. No.	42799	Seq. ID	OJ000350_50.0403.C12
Gene No.	89327	Strand	-
Start	78	End	2939
Name	OJ000350_50.0403.C12.o1.np	Method	AAT/NAP
Start	331	End	2939
GI	7228442	Score	2332
Exons	331..512, 904..2939		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	42799	Seq. ID	OJ000350_50.0403.C12
Gene No.	89327	Strand	-
Start	78	End	2939
Name	OJ000350_50.0403.C12.o1.tw	Method	TBLASTX:Wheat
Start	1842	End	2217
GI	none	Score	66
Exons	1842..2015, 1853..1993, 1948..2016, 2040..2216, 2065..2217		

Seq. No.	42799	Seq. ID	OJ000350_50.0403.C12
Gene No.	89327	Strand	-
Start	78	End	2939
Name	OJ000350_50.0403.C12.o1.tm	Method	TBLASTX:Maize
Start	2035	End	2513
GI	none	Score	186
Exons	2035..2355, 2046..2513, 2395..2508		

Seq. No.	42800	Seq. ID	OJ000350_50.0403.C13
Gene No.	89328	Strand	-
Start	296	End	906
Name	OJ000350_50.0403.C13.o1.gs	Method	GENSCAN
Start	296	End	906
GI	none	Score	.65
Exons	296..357, 867..906		

Seq. No.	42801	Seq. ID	OJ000350_50.0403.C15
Gene No.	89329	Strand	-
Start	1	End	135
Name	OJ000350_50.0403.C15.o1.np	Method	AAT/NAP
Start	1	End	135
GI	7228442	Score	161
Exons	1..135		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	42801	Seq. ID	OJ000350_50.0403.C15
Gene No.	89330	Strand	-
Start	396	End	764
Name	OJ000350_50.0403.C15.o1.gs	Method	GENSCAN
Start	396	End	764
GI	none	Score	.52
Exons	396..468, 625..764		

Seq. No.	42802	Seq. ID	OJ000350_50.0403.C16
Gene No.	89331	Strand	+
Start	8362	End	9579
Name	OJ000350_50.0403.C16.o2.gs	Method	GENSCAN
Start	8362	End	9579
GI	none	Score	.62
Exons	8362..8554, 9527..9579		

Seq. No.	42802	Seq. ID	OJ000350_50.0403.C16
Gene No.	89332	Strand	+
Start	11708	End	12893
Name	OJ000350_50.0403.C16.o3.gs	Method	GENSCAN
Start	11708	End	12893
GI	none	Score	.83
Exons	11708..11767, 12375..12578, 12828..12893		

Seq. No.	42802	Seq. ID	OJ000350_50.0403.C16
Gene No.	89333	Strand	+
Start	15692	End	18938
Name	OJ000350_50.0403.C16.o2.np	Method	AAT/NAP
Start	15391	End	15692
GI	6815115	Score	359

Exons	15391..15692		
GI Descrip.	(AB037543) ATP synthase beta subunit [Oryza sativa]		
Seq. No.	42802	Seq. ID	OJ000350_50.0403.C16
Gene No.	89333	Strand	+
Start	15692	End	18938
Name	OJ000350_50.0403.C16.o3.np	Method	AAT/NAP
Start	15692	End	16102
GI	114601	Score	681
Exons	15692..16102		
GI Descrip.	ATP SYNTHASE EPSILON CHAIN gi\|67868\|pir\|\|PWRZE H+-transporting ATP synthase (EC 3.6.1.34) epsilon chain - rice chloroplast gi\|11990\|emb\|CAA34002\| (X15901) atpE; ATPase epsilon subunit [Oryza sativa] gi\|343204 (M31464) atpE gene product [Oryza sativa] gi\|226611\|prf\|\|1603356AH ATPase epsilon [Oryza sativa]		
Seq. No.	42802	Seq. ID	OJ000350_50.0403.C16
Gene No.	89333	Strand	+
Start	15692	End	18938
Name	OJ000350_50.0403.C16.o4.gs	Method	GENSCAN
Start	15692	End	18938
GI	none	Score	.58
Exons	15692..16000, 16308..16374, 17919..18116, 18418..18938		
Seq. No.	42802	Seq. ID	OJ000350_50.0403.C16
Gene No.	89333	Strand	+
Start	15692	End	18938
Name	OJ000350_50.0403.C16.o3.gp	Method	AAT/GAP
Start	17271	End	18240
GI	2409_1.R1084	Score	1887
Exons	17271..18240		
GI Descrip.	'128690/sp\|P12126\|NU3C_ORYSA 2.0e-56 NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 3, CHLOROPLAST >gi_66161_pir__DERZN3 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 3 - rice chloroplast >gi_11989_emb_CAA34001_ (X15901) ndhC; NADH dehydrogenase ND3 [Oryza sativa] >gi_226610_prf__1603356AG NADH dehydrogenase ND3 [Oryza sativa]'		
Seq. No.	42802	Seq. ID	OJ000350_50.0403.C16
Gene No.	89333	Strand	+
Start	15692	End	18938
Name	OJ000350_50.0403.C16.o4.np	Method	AAT/NAP
Start	18202	End	18935
GI	131323	Score	1219
Exons	18202..18935		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE SUBUNIT K gi\|72688\|pir\|\|F2RZG psbG protein - rice chloroplast gi\|11988\|emb\|CAA34000\| (X15901) psbG; PSII G protein [Oryza sativa] gi\|226609\|prf\|\|1603356AF photosystem II G protein [Oryza sativa]		
Seq. No.	42802	Seq. ID	OJ000350_50.0403.C16
Gene No.	89334	Strand	+
Start	19036	End	19512
Name	OJ000350_50.0403.C16.o5.np	Method	AAT/NAP
Start	19036	End	19512
GI	128857	Score	876
Exons	19036..19512		

GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE SUBUNIT J (ORF 159) gi\|82539\|pir\|\|S05106 hypothetical protein 159 - rice chloroplast gi\|11987\|emb\|CAA33999\| (X15901) ORF159 [Oryza sativa] gi\|226608\|prf\|\|1603356AE ORF 159 [Oryza sativa]		
Seq. No.	42802	Seq. ID	OJ000350_50.0403.C16
Gene No.	89335	Strand	-
Start	290	End	502
Name	OJ000350_50.0403.C16.o1.gp	Method	AAT/GAP
Start	290	End	502
GI	none	Score	276
Exons	290..502		
Seq. No.	42802	Seq. ID	OJ000350_50.0403.C16
Gene No.	89336	Strand	-
Start	5386	End	6925
Name	OJ000350_50.0403.C16.o2.gp	Method	AAT/GAP
Start	5386	End	6925
GI	57713_5.R1084	Score	509
Exons	5386..5632, 6859..6925		
GI Descrip.	'6015116/sp\|O82653\|ERG_ARATH 3.0e-34 GTP-BINDING PROTEIN ERG >gi_3676071_emb_CAA76979_ (Y17969) ERG protein [Arabidopsis thaliana]'		
Seq. No.	42802	Seq. ID	OJ000350_50.0403.C16
Gene No.	89337	Strand	
Start	15390	End	16185
Name	OJ000350_50.0403.C16.o3.tc	Method	TBLASTX:Cress
Start	15390	End	16185
GI	none	Score	135
Exons	15390..15479, 15393..15479, 15536..15856, 15536..15859, 15847..15930, 15851..16090, 15857..16018, 15861..16025, 16015..16185		
Seq. No.	42802	Seq. ID	OJ000350_50.0403.C16
Gene No.	89337	Strand	
Start	15390	End	16185
Name	OJ000350_50.0403.C16.o3.ts	Method	TBLASTX:Soybean
Start	15390	End	16090
GI	none	Score	135
Exons	15390..15479, 15393..15479, 15536..16090, 15536..16000, 15540..16007, 16015..16089		
Seq. No.	42802	Seq. ID	OJ000350_50.0403.C16
Gene No.	89337	Strand	
Start	15390	End	16185
Name	OJ000350_50.0403.C16.o4.tm	Method	TBLASTX:Maize
Start	15393	End	15664
GI	none	Score	122
Exons	15393..15479, 15536..15664, 15537..15659		
Seq. No.	42802	Seq. ID	OJ000350_50.0403.C16
Gene No.	89337	Strand	
Start	15390	End	16185
Name	OJ000350_50.0403.C16.o3.tm	Method	TBLASTX:Maize
Start	15768	End	16152
GI	none	Score	72

Exons	15768..15815, 15769..15837, 15805..15930, 15822..16151, 15822..16112, 16015..16152		
Seq. No.	42802	Seq. ID	OJ000350_50.0403.C16
Gene No.	89338	Strand	
Start	16370	End	17130
Name	OJ000350_50.0403.C16.o2.tm	Method	TBLASTX:Maize
Start	16370	End	16951
GI	none	Score	314
Exons	16370..16624, 16417..16623, 16618..16671, 16619..16951, 16621..16950		
Seq. No.	42802	Seq. ID	OJ000350_50.0403.C16
Gene No.	89338	Strand	
Start	16370	End	17130
Name	OJ000350_50.0403.C16.o5.ts	Method	TBLASTX:Soybean
Start	16460	End	17130
GI	none	Score	83
Exons	16460..16525, 16468..16527, 16470..16526, 16471..16542, 16598..16630, 16600..16629, 16724..16759, 16724..16759, 16761..16829, 16769..16801, 16783..16854, 16807..16920, 16839..16937, 16847..16921, 16856..16990, 16943..16972, 16971..17045, 16979..17065, 16983..17057, 17009..17128, 17024..17089, 17025..17129, 17026..17130, 17041..17127		
Seq. No.	42802	Seq. ID	OJ000350_50.0403.C16
Gene No.	89338	Strand	
Start	16370	End	17130
Name	OJ000350_50.0403.C16.o5.tc	Method	TBLASTX:Cress
Start	16552	End	17108
GI	none	Score	44
Exons	16552..16590, 16600..16629, 16636..16860, 16697..16762, 16747..16854, 16847..16909, 16868..16906, 16937..16987, 16968..17045, 16973..17044, 16983..17045, 17039..17089, 17040..17108, 17041..17106		
Seq. No.	42802	Seq. ID	OJ000350_50.0403.C16
Gene No.	89339	Strand	
Start	17037	End	19735
Name	OJ000350_50.0403.C16.o1.tm	Method	TBLASTX:Maize
Start	17037	End	19735
GI	none	Score	175
Exons	17037..17150, 17038..17157, 17038..17148, 17129..17155, 17150..17206, 17151..17210, 17152..17211, 17197..17319, 17211..17312, 17286..17333, 17291..17335, 17291..17338, 17340..17402, 17340..17387, 17342..17404, 17434..17457, 17435..17461, 17454..17507, 17455..17502, 17478..17507, 17537..17719, 17538..17720, 17564..17725, 17722..17928, 17722..18210, 17723..18241, 17934..18236, 17939..18244, 17965..18243, 18177..18251, 18198..18779, 18198..18353, 18227..18775, 18393..18776, 18745..18936, 18752..18967, 18762..18971, 18764..18928, 18765..18935, 18940..18978, 18958..19617, 18976..19611, 19614..19682, 19643..19672, 19684..19734, 19685..19735, 19685..19735		
Seq. No.	42802	Seq. ID	OJ000350_50.0403.C16
Gene No.	89339	Strand	

Start	17037	End	19735
Name	OJ000350_50.0403.C16.o4.tc	Method	TBLASTX:Cress
Start	17821	End	18220
GI	none	Score	101
Exons	17821..18171, 17823..17888, 17825..18139, 17827..18171, 17948..18172, 18188..18220		

Seq. No.	42802	Seq. ID	OJ000350_50.0403.C16
Gene No.	89339	Strand	
Start	17037	End	19735
Name	OJ000350_50.0403.C16.o4.ts	Method	TBLASTX:Soybean
Start	17881	End	18214
GI	none	Score	438
Exons	17881..18213, 17882..18211, 17939..18214		

Seq. No.	42802	Seq. ID	OJ000350_50.0403.C16
Gene No.	89339	Strand	
Start	17037	End	19735
Name	OJ000350_50.0403.C16.o1.ts	Method	TBLASTX:Soybean
Start	18221	End	18896
GI	none	Score	601
Exons	18221..18895, 18227..18895, 18228..18896		

Seq. No.	42802	Seq. ID	OJ000350_50.0403.C16
Gene No.	89339	Strand	
Start	17037	End	19735
Name	OJ000350_50.0403.C16.o1.tc	Method	TBLASTX:Cress
Start	18222	End	18964
GI	none	Score	699
Exons	18222..18677, 18236..18697, 18248..18676, 18677..18727, 18678..18938, 18714..18785, 18775..18939, 18776..18964		

Seq. No.	42802	Seq. ID	OJ000350_50.0403.C16
Gene No.	89339	Strand	
Start	17037	End	19735
Name	OJ000350_50.0403.C16.o1.tw	Method	TBLASTX:Wheat
Start	18278	End	18809
GI	none	Score	838
Exons	18278..18808, 18279..18809		

Seq. No.	42802	Seq. ID	OJ000350_50.0403.C16
Gene No.	89339	Strand	
Start	17037	End	19735
Name	OJ000350_50.0403.C16.o2.ts	Method	TBLASTX:Soybean
Start	19026	End	19476
GI	none	Score	689
Exons	19026..19400, 19042..19476, 19042..19476		

Seq. No.	42802	Seq. ID	OJ000350_50.0403.C16
Gene No.	89339	Strand	
Start	17037	End	19735
Name	OJ000350_50.0403.C16.o2.tc	Method	TBLASTX:Cress
Start	19051	End	19528
GI	none	Score	703
Exons	19051..19527, 19053..19397, 19060..19527, 19061..19528, 19316..19528		

Seq. No.	42803	Seq. ID	OJ000350_50.0403.C17
Gene No.	89340	Strand	-
Start	6605	End	9780
Name	OJ000350_50.0403.C17.o2.tc	Method	TBLASTX:Cress
Start	239	End	375
GI	none	Score	128
Exons	239..262, 240..365, 241..372, 252..365, 259..375		

Seq. No.	42803	Seq. ID	OJ000350_50.0403.C17
Gene No.	89340	Strand	-
Start	6605	End	9780
Name	OJ000350_50.0403.C17.o1.tm	Method	TBLASTX:Maize
Start	264	End	1227
GI	none	Score	149
Exons	264..368, 265..378, 268..378, 305..379, 372..440, 376..453, 377..454, 377..454, 449..544, 450..548, 508..555, 627..752, 631..762, 635..757, 638..769, 639..773, 722..970, 722..913, 724..972, 726..989, 762..992, 981..1121, 985..1143, 986..1144, 987..1109, 994..1146, 1139..1198, 1141..1227		

Seq. No.	42803	Seq. ID	OJ000350_50.0403.C17
Gene No.	89340	Strand	-
Start	6605	End	9780
Name	OJ000350_50.0403.C17.o2.tw	Method	TBLASTX:Wheat
Start	616	End	1040
GI	none	Score	73
Exons	616..690, 616..702, 712..876, 728..895, 729..869, 760..870, 1011..1040		

Seq. No.	42803	Seq. ID	OJ000350_50.0403.C17
Gene No.	89340	Strand	-
Start	6605	End	9780
Name	OJ000350_50.0403.C17.o2.ts	Method	TBLASTX:Soybean
Start	635	End	901
GI	none	Score	108
Exons	635..754, 639..689, 640..762, 642..773, 716..901, 716..862, 721..870		

Seq. No.	42803	Seq. ID	OJ000350_50.0403.C17
Gene No.	89340	Strand	-
Start	6605	End	9780
Name	OJ000350_50.0403.C17.o2.gp	Method	AAT/GAP
Start	6252	End	7315
GI	606_6.R1084	Score	1529
Exons	6252..6985, 7103..7315		
GI Descrip.	'2407281 4.0e-61 (AF017363) ribulose 1,5-bisphosphate carboxylase small subunit [Oryza sativa]'		

Seq. No.	42803	Seq. ID	OJ000350_50.0403.C17
Gene No.	89340	Strand	-
Start	6605	End	9780
Name	OJ000350_50.0403.C17.o1.tw	Method	TBLASTX:Wheat
Start	6604	End	7253
GI	none	Score	396
Exons	6604..6696, 6614..6988, 6615..6989, 6616..6990, 7100..7126, 7100..7252, 7170..7253		

Seq. No.	42803	Seq. ID	OJ000350_50.0403.C17
Gene No.	89340	Strand	-
Start	6605	End	9780
Name	OJ000350_50.0403.C17.o2.gs	Method	GENSCAN
Start	6605	End	9780
GI	none	Score	.52
Exons	6605..6985, 7103..7282, 8840..8941, 9544..9780		

Seq. No.	42803	Seq. ID	OJ000350_50.0403.C17
Gene No.	89340	Strand	-
Start	6605	End	9780
Name	OJ000350_50.0403.C17.o1.np	Method	AAT/NAP
Start	6608	End	7249
GI	132096	Score	863
Exons	6608..6985, 7103..7249		
GI Descrip.	RIBULOSE BISPHOSPHATE CARBOXYLASE SMALL CHAIN A PRECURSOR (RUBISCO SMALL SUBUNIT A) gi\|68095\|pir\|\|RKRZS6 ribulose-bisphosphate carboxylase (EC 4.1.1.39) small chain precursor (clone pOSSS2106) - rice gi\|218210\|dbj\|BAA00539\| (D00644) small subunit of ribulose-1,5-bisphosphate carboxylase (RuBPC) [Oryza sativa]		

Seq. No.	42803	Seq. ID	OJ000350_50.0403.C17
Gene No.	89340	Strand	-
Start	6605	End	9780
Name	OJ000350_50.0403.C17.o2.tm	Method	TBLASTX:Maize
Start	6614	End	7237
GI	none	Score	82
Exons	6614..6988, 6616..6693, 6617..6697, 6624..6989, 6724..6990, 6762..6998, 7100..7162, 7154..7237, 7170..7235		

Seq. No.	42803	Seq. ID	OJ000350_50.0403.C17
Gene No.	89340	Strand	-
Start	6605	End	9780
Name	OJ000350_50.0403.C17.o1.ts	Method	TBLASTX:Soybean
Start	6620	End	7282
GI	none	Score	99
Exons	6620..6697, 6623..6988, 6624..6998, 7100..7162, 7157..7282, 7170..7235		

Seq. No.	42803	Seq. ID	OJ000350_50.0403.C17
Gene No.	89340	Strand	-
Start	6605	End	9780
Name	OJ000350_50.0403.C17.o1.tc	Method	TBLASTX:Cress
Start	6734	End	7276
GI	none	Score	441
Exons	6734..6988, 6736..6990, 6762..6995, 7100..7126, 7100..7174, 7166..7276, 7170..7274		

Seq. No.	42804	Seq. ID	OJ000350_50.0403.C18
Gene No.	89341	Strand	-
Start	579	End	1746
Name	OJ000350_50.0403.C18.o1.np	Method	AAT/NAP
Start	579	End	1746
GI	7523486	Score	350
Exons	579..689, 1434..1601, 1648..1746		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	42804	Seq. ID	OJ000350_50.0403.C18
Gene No.	89342	Strand	-
Start	5484	End	7692
Name	OJ000350_50.0403.C18.o3.np	Method	AAT/NAP
Start	5484	End	7692
GI	4090291	Score	617
Exons	5484..5861, 7546..7692		
GI Descrip.	(AJ131737) hypothetical protein [Secale cereale]		

Seq. No.	42804	Seq. ID	OJ000350_50.0403.C18
Gene No.	89343	Strand	-
Start	10092	End	10775
Name	OJ000350_50.0403.C18.o1.gp	Method	AAT/GAP
Start	9732	End	10774
GI	606_8.R1084	Score	1179
Exons	9732..10472, 10584..10774		
GI Descrip.	'81885/pir\|\|S20508 5.0e-13 ribulose-bisphosphate carboxylase (EC 4.1.1.39) small chain precursor - kidney bean >gi_21050_emb_CAA42618_ (X60000) ribulose bisphosphate carboxylase [Phaseolus vulgaris] >gi_21053_emb_CAA40339_ (X57022) small subunit of ribulose 1,5-bisphosphate carboxylase/oxygenase [Phaseolus vulgaris]'		

Seq. No.	42804	Seq. ID	OJ000350_50.0403.C18
Gene No.	89343	Strand	-
Start	10092	End	10775
Name	OJ000350_50.0403.C18.o2.gp	Method	AAT/GAP
Start	9732	End	10775
GI	606_8.R1084	Score	1179
Exons	9732..10472, 10584..10775		
GI Descrip.	'81885/pir\|\|S20508 5.0e-13 ribulose-bisphosphate carboxylase (EC 4.1.1.39) small chain precursor - kidney bean >gi_21050_emb_CAA42618_ (X60000) ribulose bisphosphate carboxylase [Phaseolus vulgaris] >gi_21053_emb_CAA40339_ (X57022) small subunit of ribulose 1,5-bisphosphate carboxylase/oxygenase [Phaseolus vulgaris]'		

Seq. No.	42804	Seq. ID	OJ000350_50.0403.C18
Gene No.	89343	Strand	-
Start	10092	End	10775
Name	OJ000350_50.0403.C18.o2.gs	Method	GENSCAN
Start	10092	End	10715
GI	none	Score	.8
Exons	10092..10472, 10584..10715		

Seq. No.	42804	Seq. ID	OJ000350_50.0403.C18
Gene No.	89343	Strand	-
Start	10092	End	10775
Name	OJ000350_50.0403.C18.o4.np	Method	AAT/NAP
Start	10095	End	10730
GI	132096	Score	892
Exons	10095..10472, 10584..10730		
GI Descrip.	RIBULOSE BISPHOSPHATE CARBOXYLASE SMALL CHAIN A PRECURSOR (RUBISCO SMALL SUBUNIT A) gi\|68095\|pir\|\|RKRZS6 ribulose-bisphosphate carboxylase (EC 4.1.1.39) small chain precursor (clone pOSSS2106) - rice gi\|218210\|dbj\|BAA00539\|		

(D00644) small subunit of ribulose-1,5-bisphosphate carboxylase (RuBPC) [Oryza sativa]

Seq. No.	42804	Seq. ID	OJ000350_50.0403.C18
Gene No.	89343	Strand	-
Start	10092	End	10775
Name	OJ000350_50.0403.C18.o3.gp	Method	AAT/GAP
Start	10325	End	10630
GI	606_3.R1084	Score	348
Exons	10325..10472, 10584..10630		
GI Descrip.	'2275199 1.0e-12 (AC002337) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	42804	Seq. ID	OJ000350_50.0403.C18
Gene No.	89344	Strand	-
Start	10847	End	25383
Name	OJ000350_50.0403.C18.o2.ts	Method	TBLASTX:Soybean
Start	3017	End	3421
GI	none	Score	63
Exons	3017..3121, 3158..3421		

Seq. No.	42804	Seq. ID	OJ000350_50.0403.C18
Gene No.	89344	Strand	-
Start	10847	End	25383
Name	OJ000350_50.0403.C18.o2.tw	Method	TBLASTX:Wheat
Start	3017	End	3424
GI	none	Score	101
Exons	3017..3133, 3155..3364, 3338..3424		

Seq. No.	42804	Seq. ID	OJ000350_50.0403.C18
Gene No.	89344	Strand	-
Start	10847	End	25383
Name	OJ000350_50.0403.C18.o2.tc	Method	TBLASTX:Cress
Start	3164	End	3451
GI	none	Score	188
Exons	3164..3451		

Seq. No.	42804	Seq. ID	OJ000350_50.0403.C18
Gene No.	89344	Strand	-
Start	10847	End	25383
Name	OJ000350_50.0403.C18.o1.tw	Method	TBLASTX:Wheat
Start	5377	End	10734
GI	none	Score	47
Exons	5377..5412, 5378..5425, 5508..5861, 5509..5850, 5519..5863, 5655..5867, 7543..7692, 7544..7693, 7604..7696, 10101..10478, 10102..10482, 10105..10482, 10572..10733, 10581..10628, 10636..10734		

Seq. No.	42804	Seq. ID	OJ000350_50.0403.C18
Gene No.	89344	Strand	-
Start	10847	End	25383
Name	OJ000350_50.0403.C18.o1.tm	Method	TBLASTX:Maize
Start	5506	End	10814
GI	none	Score	63
Exons	5506..5676, 5507..5566, 5508..5861, 5509..5751, 5600..5863, 5652..5867, 7503..7565, 7543..7605, 7544..7606, 7591..7683, 7595..7678, 9939..10013, 10107..10181, 10110..10478,		

10111..10488, 10554..10643, 10579..10665, 10581..10628,
10609..10716, 10629..10718, 10636..10716, 10695..10814

Seq. No.	42804	Seq. ID	OJ000350_50.0403.C18
Gene No.	89344	Strand	-
Start	10847	End	25383
Name	OJ000350_50.0403.C18.o1.ts	Method	TBLASTX:Soybean
Start	5507	End	10814
GI	none	Score	63

Exons 5507..5566, 5508..5861, 5509..5751, 5588..5863, 5652..5867,
7503..7565, 7543..7605, 7544..7606, 7591..7683, 7595..7678,
9939..10013, 10107..10181, 10110..10478, 10111..10488,
10554..10643, 10579..10665, 10581..10628, 10609..10716,
10629..10718, 10636..10716, 10695..10814

Seq. No.	42804	Seq. ID	OJ000350_50.0403.C18
Gene No.	89344	Strand	-
Start	10847	End	25383
Name	OJ000350_50.0403.C18.o1.tc	Method	TBLASTX:Cress
Start	5610	End	10737
GI	none	Score	241

Exons 5610..5861, 5612..5863, 5655..5867, 7543..7617, 7544..7606,
7597..7698, 7610..7699, 10221..10478, 10249..10473,
10572..10655, 10581..10628, 10624..10728, 10635..10736,
10648..10737

Seq. No.	42804	Seq. ID	OJ000350_50.0403.C18
Gene No.	89344	Strand	-
Start	10847	End	25383
Name	OJ000350_50.0403.C18.o3.gs	Method	GENSCAN
Start	10847	End	25340
GI	none	Score	.81

Exons 10847..10995, 13559..13655, 13788..13937, 14017..14125,
16234..16586, 18183..18380, 18575..19524, 19921..20038,
20136..20354, 21209..21361, 21434..21784, 21923..22135,
22487..22726, 22816..22958, 23861..24038, 25201..25340

Seq. No.	42804	Seq. ID	OJ000350_50.0403.C18
Gene No.	89344	Strand	-
Start	10847	End	25383
Name	OJ000350_50.0403.C18.o5.np	Method	AAT/NAP
Start	13540	End	25383
GI	7486403	Score	3444

Exons 13540..13655, 13788..13937, 14017..14125, 16162..16586,
16670..16782, 17758..18109, 18183..18380, 18575..19519,
19919..20038, 20136..20354, 20545..20753, 21209..21361,
21434..21530, 21612..21784, 21923..22135, 22487..22726,
22816..22977, 25170..25383

GI Descrip. hypothetical protein F4D11.100 - Arabidopsis thaliana
gi|3063700|emb|CAA18591.1| (AL022537) putative protein
[Arabidopsis thaliana] gi|7270174|emb|CAB79987.1| (AL161581)
putative protein [Arabidopsis thaliana]

Seq. No.	42804	Seq. ID	OJ000350_50.0403.C18
Gene No.	89344	Strand	-
Start	10847	End	25383
Name	OJ000350_50.0403.C18.o3.tm	Method	TBLASTX:Maize

Start	16169	End	16376
GI	none	Score	120
Exons	16169..16366, 16218..16376, 16219..16368		

Seq. No.	42804	Seq. ID	OJ000350_50.0403.C18
Gene No.	89344	Strand	-
Start	10847	End	25383
Name	OJ000350_50.0403.C18.o4.tm	Method	TBLASTX:Maize
Start	16987	End	18002
GI	none	Score	143
Exons	16987..17088, 16988..17089, 16989..17090, 17846..17944, 17849..17980, 17850..18002		

Seq. No.	42804	Seq. ID	OJ000350_50.0403.C18
Gene No.	89344	Strand	-
Start	10847	End	25383
Name	OJ000350_50.0403.C18.o2.tm	Method	TBLASTX:Maize
Start	21275	End	21653
GI	none	Score	121
Exons	21275..21361, 21276..21362, 21289..21363, 21431..21652, 21432..21653		

Seq. No.	42805	Seq. ID	OJ000350_50.0403.C19
Gene No.	89345	Strand	+
Start	1	End	805
Name	OJ000350_50.0403.C19.o1.np	Method	AAT/NAP
Start	1	End	805
GI	5852939	Score	249
Exons	1..109, 570..805		
GI Descrip.	(AF172097) telomerase reverse transcriptase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	42805	Seq. ID	OJ000350_50.0403.C19
Gene No.	89345	Strand	+
Start	1	End	805
Name	OJ000350_50.0403.C19.o1.gs	Method	GENSCAN
Start	570	End	792
GI	none	Score	.4
Exons	570..792		

Seq. No.	42806	Seq. ID	OJ000350_50.0403.C22
Gene No.	89346	Strand	-
Start	559	End	693
Name	OJ000350_50.0403.C22.o1.gs	Method	GENSCAN
Start	559	End	693
GI	none	Score	.43
Exons	559..693		

Seq. No.	42807	Seq. ID	OJ000350_50.0403.C25
Gene No.	89347	Strand	+
Start	1	End	732
Name	OJ000350_50.0403.C25.o1.np	Method	AAT/NAP
Start	1	End	732
GI	7406454	Score	777
Exons	1..732		
GI Descrip.	(AL162875) putative protein [Arabidopsis thaliana]		

Seq. No.	42807	Seq. ID	OJ000350_50.0403.C25
Gene No.	89347	Strand	+
Start	1	End	732
Name	OJ000350_50.0403.C25.o1.gs	Method	GENSCAN
Start	31	End	578
GI	none	Score	.61
Exons	31..303, 373..578		

Seq. No.	42807	Seq. ID	OJ000350_50.0403.C25
Gene No.	89348	Strand	-
Start	628	End	732
Name	OJ000350_50.0403.C25.o1.tm	Method	TBLASTX:Maize
Start	6	End	417
GI	none	Score	682
Exons	6..416, 7..417		

Seq. No.	42807	Seq. ID	OJ000350_50.0403.C25
Gene No.	89348	Strand	-
Start	628	End	732
Name	OJ000350_50.0403.C25.o1.ts	Method	TBLASTX:Soybean
Start	7	End	611
GI	none	Score	738
Exons	7..567, 9..566, 187..567, 556..609, 561..611		

Seq. No.	42807	Seq. ID	OJ000350_50.0403.C25
Gene No.	89348	Strand	-
Start	628	End	732
Name	OJ000350_50.0403.C25.o2.tm	Method	TBLASTX:Maize
Start	420	End	732
GI	none	Score	335
Exons	420..731, 426..731, 427..732		

Seq. No.	42807	Seq. ID	OJ000350_50.0403.C25
Gene No.	89348	Strand	-
Start	628	End	732
Name	OJ000350_50.0403.C25.o1.gp	Method	AAT/GAP
Start	628	End	732
GI	none	Score	198
Exons	628..732		

Seq. No.	42808	Seq. ID	OJ000350_50.0403.C26
Gene No.	89349	Strand	+
Start	764	End	841
Name	OJ000350_50.0403.C26.o1.gs	Method	GENSCAN
Start	764	End	841
GI	none	Score	.4
Exons	764..841		

Seq. No.	42808	Seq. ID	OJ000350_50.0403.C26
Gene No.	89350	Strand	-
Start	109	End	915
Name	OJ000350_50.0403.C26.o1.gp	Method	AAT/GAP
Start	109	End	915
GI	18981_1.R1084	Score	539
Exons	109..350, 846..915		
GI Descrip.	'3047083 2.0e-55 (AF058914) similar to FLAP endonuclease-1 (SW:P39748) [Arabidopsis thaliana]'		

Seq. No.	42809	Seq. ID	OJ000350_50.0403.C28
Gene No.	89351	Strand	-
Start	773	End	1544
Name	OJ000350_50.0403.C28.o1.gp	Method	AAT/GAP
Start	338	End	903
GI	none	Score	1050
Exons	338..903		

Seq. No.	42809	Seq. ID	OJ000350_50.0403.C28
Gene No.	89351	Strand	-
Start	773	End	1544
Name	OJ000350_50.0403.C28.o1.tm	Method	TBLASTX:Maize
Start	695	End	1377
GI	none	Score	90
Exons	695..739, 779..823, 783..905, 791..904, 824..952, 1019..1078, 1024..1083, 1025..1081, 1158..1235, 1166..1246, 1170..1247, 1226..1249, 1290..1376, 1327..1377, 1339..1377		

Seq. No.	42809	Seq. ID	OJ000350_50.0403.C28
Gene No.	89351	Strand	-
Start	773	End	1544
Name	OJ000350_50.0403.C28.o1.gs	Method	GENSCAN
Start	773	End	1079
GI	none	Score	.76
Exons	773..949, 1025..1079		

Seq. No.	42809	Seq. ID	OJ000350_50.0403.C28
Gene No.	89351	Strand	-
Start	773	End	1544
Name	OJ000350_50.0403.C28.o1.np	Method	AAT/NAP
Start	833	End	1544
GI	5902374	Score	164
Exons	833..949, 1025..1079, 1336..1544		
GI Descrip.	(AC009322) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42809	Seq. ID	OJ000350_50.0403.C28
Gene No.	89351	Strand	-
Start	773	End	1544
Name	OJ000350_50.0403.C28.o1.ts	Method	TBLASTX:Soybean
Start	1164	End	1472
GI	none	Score	67
Exons	1164..1253, 1169..1249, 1334..1462, 1335..1409, 1344..1472		

Seq. No.	42809	Seq. ID	OJ000350_50.0403.C28
Gene No.	89351	Strand	-
Start	773	End	1544
Name	OJ000350_50.0403.C28.o2.gp	Method	AAT/GAP
Start	1173	End	1544
GI	uC-osrocyp036b09b1	Score	440
Exons	1173..1250, 1336..1544		
GI Descrip.	'5902374/gb\|AAD55476.1\|AC009322_16 4.0e-16 (AC009322) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	42810	Seq. ID	OJ000350_50.0403.C29
Gene No.	89352	Strand	-
Start	1	End	1334

Name	OJ000350_50.0403.C29.o1.np	Method	AAT/NAP
Start	1	End	1224
GI	7549631	Score	412
Exons	1..164, 710..782, 881..1030, 1135..1224		
GI Descrip.	(AC023912) unknown protein [Arabidopsis thaliana]		

Seq. No.	42810	Seq. ID	OJ000350_50.0403.C29
Gene No.	89352	Strand	-
Start	1	End	1334
Name	OJ000350_50.0403.C29.o1.tm	Method	TBLASTX:Maize
Start	73	End	1252
GI	none	Score	99
Exons	73..165, 76..165, 77..166, 709..789, 711..803, 712..789, 905..1051, 972..1052, 1129..1245, 1139..1252		

Seq. No.	42810	Seq. ID	OJ000350_50.0403.C29
Gene No.	89352	Strand	-
Start	1	End	1334
Name	OJ000350_50.0403.C29.o1.gs	Method	GENSCAN
Start	79	End	1245
GI	none	Score	.67
Exons	79..164, 710..795, 1013..1089, 1135..1245		

Seq. No.	42810	Seq. ID	OJ000350_50.0403.C29
Gene No.	89352	Strand	-
Start	1	End	1334
Name	OJ000350_50.0403.C29.o1.gp	Method	AAT/GAP
Start	710	End	1334
GI	76522_1.R1084	Score	766
Exons	710..799, 906..1030, 1135..1334		
GI Descrip.	'461033/bbs\|142242 2.0e-14 (S68015) c6.1A [human, Peptide, 324 aa] [Homo sapiens]'		

Seq. No.	42811	Seq. ID	OJ000350_50.0403.C30
Gene No.	89353	Strand	-
Start	207	End	437
Name	OJ000350_50.0403.C30.o1.gp	Method	AAT/GAP
Start	207	End	437
GI	8022_1.R1084	Score	304
Exons	207..437		
GI Descrip.	'5091496/dbj\|AB023482.2\|AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	42812	Seq. ID	OJ000350_50.0403.C33
Gene No.	89354	Strand	-
Start	815	End	994
Name	OJ000350_50.0403.C33.o1.tm	Method	TBLASTX:Maize
Start	812	End	982
GI	none	Score	86
Exons	812..901, 813..866, 814..867, 866..982, 868..981		

Seq. No.	42812	Seq. ID	OJ000350_50.0403.C33
Gene No.	89354	Strand	-
Start	815	End	994
Name	OJ000350_50.0403.C33.o1.tw	Method	TBLASTX:Wheat
Start	812	End	982
GI	none	Score	81

Exons	812..886, 813..863, 814..867, 866..982, 868..981		
Seq. No.	42812	Seq. ID	OJ000350_50.0403.C33
Gene No.	89354	Strand	-
Start	815	End	994
Name	OJ000350_50.0403.C33.o1.gs	Method	GENSCAN
Start	815	End	994
GI	none	Score	.53
Exons	815..994		
Seq. No.	42813	Seq. ID	OJ000350_50.0403.C38
Gene No.	89355	Strand	+
Start	93	End	359
Name	OJ000350_50.0403.C38.o1.gs	Method	GENSCAN
Start	93	End	359
GI	none	Score	.63
Exons	93..359		
Seq. No.	42814	Seq. ID	OJ000350_50.0403.C40
Gene No.	89356	Strand	-
Start	116	End	924
Name	OJ000350_50.0403.C40.o1.tw	Method	TBLASTX:Wheat
Start	77	End	239
GI	none	Score	169
Exons	77..232, 117..239		
Seq. No.	42814	Seq. ID	OJ000350_50.0403.C40
Gene No.	89356	Strand	-
Start	116	End	924
Name	OJ000350_50.0403.C40.o1.tm	Method	TBLASTX:Maize
Start	90	End	916
GI	none	Score	83
Exons	90..251, 91..201, 109..255, 117..251, 119..259, 733..900, 803..916, 824..916		
Seq. No.	42814	Seq. ID	OJ000350_50.0403.C40
Gene No.	89356	Strand	-
Start	116	End	924
Name	OJ000350_50.0403.C40.o1.gs	Method	GENSCAN
Start	116	End	915
GI	none	Score	.8
Exons	116..286, 733..915		
Seq. No.	42814	Seq. ID	OJ000350_50.0403.C40
Gene No.	89356	Strand	-
Start	116	End	924
Name	OJ000350_50.0403.C40.o1.np	Method	AAT/NAP
Start	161	End	924
GI	7487097	Score	268
Exons	161..250, 733..924		
GI Descrip.	hypothetical protein T16L4.170 - Arabidopsis thaliana gi\|5123560\|emb\|CAB45326.1\| (AL079344) putative protein [Arabidopsis thaliana] gi\|7269865\|emb\|CAB79724.1\| (AL161575) putative protein [Arabidopsis thaliana]		
Seq. No.	42815	Seq. ID	OJ000350_50.0403.C42
Gene No.	89357	Strand	-

Start	289	End	497
Name	OJ000350_50.0403.C42.o1.gs	Method	GENSCAN
Start	289	End	497
GI	none	Score	.47
Exons	289..497		

Seq. No.	42816	Seq. ID	OJ000350_50.0403.C44
Gene No.	89358	Strand	-
Start	501	End	1807
Name	OJ000350_50.0403.C44.o1.gs	Method	GENSCAN
Start	501	End	1807
GI	none	Score	.8
Exons	501..648, 1210..1257, 1389..1492, 1514..1619, 1674..1807		

Seq. No.	42817	Seq. ID	OJ000350_50.0403.C47
Gene No.	89359	Strand	-
Start	70	End	233
Name	OJ000350_50.0403.C47.o1.gs	Method	GENSCAN
Start	70	End	233
GI	none	Score	.82
Exons	70..233		

Seq. No.	42818	Seq. ID	OJ000350_50.0403.C55
Gene No.	89360	Strand	-
Start	1	End	1035
Name	OJ000350_50.0403.C55.o1.np	Method	AAT/NAP
Start	1	End	952
GI	2275199	Score	278
Exons	1..28, 112..171, 252..317, 646..738, 830..952		
GI Descrip.	(AC002337) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42818	Seq. ID	OJ000350_50.0403.C55
Gene No.	89360	Strand	-
Start	1	End	1035
Name	OJ000350_50.0403.C55.o1.ts	Method	TBLASTX:Soybean
Start	76	End	944
GI	none	Score	62
Exons	76..171, 113..172, 247..318, 249..326, 661..714, 715..741, 719..739, 827..889, 828..890, 884..943, 897..944		

Seq. No.	42818	Seq. ID	OJ000350_50.0403.C55
Gene No.	89360	Strand	-
Start	1	End	1035
Name	OJ000350_50.0403.C55.o1.gp	Method	AAT/GAP
Start	616	End	1035
GI	426286	Score	547
Exons	616..738, 830..1035		
GI Descrip.	2275199 1.0e-12 (AC002337) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42818	Seq. ID	OJ000350_50.0403.C55
Gene No.	89360	Strand	-
Start	1	End	1035
Name	OJ000350_50.0403.C55.o1.tm	Method	TBLASTX:Maize
Start	653	End	944
GI	none	Score	115
Exons	653..739, 656..739, 658..741, 667..741, 827..943, 828..944		

Seq. No.	42819	Seq. ID	OJ000350_50.0403.C59
Gene No.	89361	Strand	+
Start	1	End	730
Name	OJ000350_50.0403.C59.o1.np	Method	AAT/NAP
Start	1	End	730
GI	6728881	Score	98
Exons	1..57, 415..484, 625..730		
GI Descrip.	(AC008113) F12A21.2 [Arabidopsis thaliana]		

Seq. No.	42820	Seq. ID	OJ000350_50.0403.C60
Gene No.	89362	Strand	+
Start	6	End	74
Name	OJ000350_50.0403.C60.o1.gs	Method	GENSCAN
Start	6	End	74
GI	none	Score	.48
Exons	6..74		

Seq. No.	42821	Seq. ID	OJ000320_40.0413.C3
Gene No.	89363	Strand	+
Start	1	End	175
Name	OJ000320_40.0413.C3.o1.np	Method	AAT/NAP
Start	1	End	158
GI	7484937	Score	159
Exons	1..158		
GI Descrip.	DNA-directed RNA polymerase I 190K chain homolog F15B8.150 - Arabidopsis thaliana gi\|4678281\|emb\|CAB41189.1\| (AL049660) DNA-directed RNA polymerase I 190K chain-like protein [Arabidopsis thaliana]		

Seq. No.	42821	Seq. ID	OJ000320_40.0413.C3
Gene No.	89363	Strand	+
Start	1	End	175
Name	OJ000320_40.0413.C3.o1.tm	Method	TBLASTX:Maize
Start	1	End	175
GI	none	Score	85
Exons	1..165, 2..175, 3..167		

Seq. No.	42822	Seq. ID	OJ000320_40.0413.C4
Gene No.	89364	Strand	-
Start	210	End	1365
Name	OJ000320_40.0413.C4.o1.gs	Method	GENSCAN
Start	210	End	1365
GI	none	Score	.51
Exons	210..243, 411..633, 806..887, 1261..1365		

Seq. No.	42823	Seq. ID	OJ000320_40.0413.C5
Gene No.	89365	Strand	-
Start	1	End	722
Name	OJ000320_40.0413.C5.o1.np	Method	AAT/NAP
Start	1	End	722
GI	7484937	Score	343
Exons	1..150, 372..519, 593..722		
GI Descrip.	DNA-directed RNA polymerase I 190K chain homolog F15B8.150 - Arabidopsis thaliana gi\|4678281\|emb\|CAB41189.1\| (AL049660) DNA-directed RNA polymerase I 190K chain-like protein [Arabidopsis thaliana]		

Seq. No.	42823	Seq. ID	OJ000320_40.0413.C5
Gene No.	89365	Strand	-
Start	1	End	722
Name	OJ000320_40.0413.C5.o1.gs	Method	GENSCAN
Start	39	End	660
GI	none	Score	.87
Exons	39..150, 372..519, 593..660		

Seq. No.	42824	Seq. ID	OJ000320_40.0413.C6
Gene No.	89366	Strand	-
Start	114	End	1938
Name	OJ000320_40.0413.C6.o1.gs	Method	GENSCAN
Start	114	End	1938
GI	none	Score	.82
Exons	114..341, 1376..1669, 1779..1938		

Seq. No.	42824	Seq. ID	OJ000320_40.0413.C6
Gene No.	89366	Strand	-
Start	114	End	1938
Name	OJ000320_40.0413.C6.o1.np	Method	AAT/NAP
Start	1381	End	1938
GI	7484937	Score	213
Exons	1381..1669, 1779..1938		
GI Descrip.	DNA-directed RNA polymerase I 190K chain homolog F15B8.150 - Arabidopsis thaliana gi\|4678281\|emb\|CAB41189.1\| (AL049660) DNA-directed RNA polymerase I 190K chain-like protein [Arabidopsis thaliana]		

Seq. No.	42824	Seq. ID	OJ000320_40.0413.C6
Gene No.	89366	Strand	-
Start	114	End	1938
Name	OJ000320_40.0413.C6.o1.ts	Method	TBLASTX:Soybean
Start	1383	End	1931
GI	none	Score	76
Exons	1383..1508, 1385..1528, 1595..1666, 1776..1931		

Seq. No.	42825	Seq. ID	OJ000320_40.0413.C7
Gene No.	89367	Strand	+
Start	6750	End	7208
Name	OJ000320_40.0413.C7.o1.gp	Method	AAT/GAP
Start	6605	End	6821
GI	2311981	Score	418
Exons	6605..6821		
GI Descrip.	710307/gb\|U11693\|ASU11693 2.0e-17 Avena sativa victorin binding protein mRNA, complete cds		

Seq. No.	42825	Seq. ID	OJ000320_40.0413.C7
Gene No.	89367	Strand	+
Start	6750	End	7208
Name	OJ000320_40.0413.C7.o1.np	Method	AAT/NAP
Start	6750	End	7208
GI	2565305	Score	564
Exons	6750..7208		
GI Descrip.	(AF024589) glycine decarboxylase P subunit [Hordeum x Triticum]		

Seq. No.	42825	Seq. ID	OJ000320_40.0413.C7

Gene No.	89367	Strand	+
Start	6750	End	7208
Name	OJ000320_40.0413.C7.o2.gs	Method	GENSCAN
Start	6750	End	7189
GI	none	Score	1
Exons	6750..7189		

Seq. No.	42825	Seq. ID	OJ000320_40.0413.C7
Gene No.	89367	Strand	+
Start	6750	End	7208
Name	OJ000320_40.0413.C7.o1.ts	Method	TBLASTX:Soybean
Start	6921	End	7208
GI	none	Score	101
Exons	6921..7022, 6953..7018, 6993..7088, 7091..7207, 7092..7208		

Seq. No.	42826	Seq. ID	OJ000320_40.0413.C8
Gene No.	89368	Strand	+
Start	1	End	2188
Name	OJ000320_40.0413.C8.o1.np	Method	AAT/NAP
Start	1	End	2188
GI	2565305	Score	1304
Exons	1..350, 447..524, 619..719, 809..1004, 1087..1212, 1296..1481, 2159..2188		
GI Descrip.	(AF024589) glycine decarboxylase P subunit [Hordeum x Triticum]		

Seq. No.	42826	Seq. ID	OJ000320_40.0413.C8
Gene No.	89368	Strand	+
Start	1	End	2188
Name	OJ000320_40.0413.C8.o1.gp	Method	AAT/GAP
Start	103	End	2188
GI	1765_1.R1084	Score	1659
Exons	103..350, 447..524, 619..719, 809..1004, 1087..1212, 1296..1481, 2159..2188		
GI Descrip.	'3688181/emb\|CAA21209\| 4.0e-33 (AL031804) putative protein (fragment) [Arabidopsis thaliana]'		

Seq. No.	42826	Seq. ID	OJ000320_40.0413.C8
Gene No.	89368	Strand	+
Start	1	End	2188
Name	OJ000320_40.0413.C8.o1.ts	Method	TBLASTX:Soybean
Start	104	End	1494
GI	none	Score	137
Exons	104..271, 104..394, 144..386, 447..530, 618..758, 619..723, 806..997, 808..1002, 810..1001, 873..1004, 1084..1209, 1086..1202, 1295..1414, 1296..1490, 1296..1484, 1405..1494		

Seq. No.	42826	Seq. ID	OJ000320_40.0413.C8
Gene No.	89368	Strand	+
Start	1	End	2188
Name	OJ000320_40.0413.C8.o1.gs	Method	GENSCAN
Start	120	End	1481
GI	none	Score	.78
Exons	120..350, 447..524, 619..719, 809..1004, 1087..1212, 1296..1481		

Seq. No.	42826	Seq. ID	OJ000320_40.0413.C8
Gene No.	89368	Strand	+
Start	1	End	2188

Name	OJ000320_40.0413.C8.o1.tc	Method	TBLASTX:Cress
Start	255	End	1148
GI	none	Score	65
Exons	255..314, 312..362, 447..527, 474..521, 618..731, 619..723, 806..997, 808..1002, 810..1001, 873..1004, 1084..1143, 1086..1148		

Seq. No.	42826	Seq. ID	OJ000320_40.0413.C8
Gene No.	89368	Strand	+
Start	1	End	2188
Name	OJ000320_40.0413.C8.o2.tm	Method	TBLASTX:Maize
Start	311	End	920
GI	none	Score	52
Exons	311..349, 311..349, 312..368, 313..369, 435..473, 472..525, 474..530, 474..518, 478..525, 606..722, 622..723, 624..731, 806..823, 817..879, 822..920, 824..919, 873..920		

Seq. No.	42826	Seq. ID	OJ000320_40.0413.C8
Gene No.	89368	Strand	+
Start	1	End	2188
Name	OJ000320_40.0413.C8.o1.tm	Method	TBLASTX:Maize
Start	1143	End	1495
GI	none	Score	119
Exons	1143..1211, 1143..1211, 1145..1216, 1296..1490, 1298..1495, 1298..1483		

Seq. No.	42826	Seq. ID	OJ000320_40.0413.C8
Gene No.	89368	Strand	+
Start	1	End	2188
Name	OJ000320_40.0413.C8.o2.tc	Method	TBLASTX:Cress
Start	1314	End	1495
GI	none	Score	275
Exons	1314..1490, 1317..1481, 1319..1495, 1319..1483		

Seq. No.	42827	Seq. ID	OJ000320_40.0413.C12
Gene No.	89369	Strand	+
Start	7410	End	9533
Name	OJ000320_40.0413.C12.o2.gs	Method	GENSCAN
Start	7410	End	9533
GI	none	Score	.52
Exons	7410..7751, 9528..9533		

Seq. No.	42827	Seq. ID	OJ000320_40.0413.C12
Gene No.	89370	Strand	+
Start	11171	End	12454
Name	OJ000320_40.0413.C12.o2.np	Method	AAT/NAP
Start	9957	End	12454
GI	7489168	Score	934
Exons	9957..9982, 11170..12454		
GI Descrip.	nucleoid DNA-binding protein cnd41, chloroplast - common tobacco gi\|2541876\|dbj\|BAA22813.1\| (D26015) CND41, chloroplast nucleoid DNA binding protein [Nicotiana tabacum]		

Seq. No.	42827	Seq. ID	OJ000320_40.0413.C12
Gene No.	89370	Strand	+
Start	11171	End	12454
Name	OJ000320_40.0413.C12.o1.gp	Method	AAT/GAP

Start	11049	End	11341
GI	568824	Score	559
Exons	11049..11341		

Seq. No.	42827	Seq. ID	OJ000320_40.0413.C12
Gene No.	89370	Strand	+
Start	11171	End	12454
Name	OJ000320_40.0413.C12.o3.gs	Method	GENSCAN
Start	11171	End	12454
GI	none	Score	.96
Exons	11171..12454		

Seq. No.	42827	Seq. ID	OJ000320_40.0413.C12
Gene No.	89371	Strand	+
Start	16545	End	16829
Name	OJ000320_40.0413.C12.o4.np	Method	AAT/NAP
Start	16545	End	16829
GI	7523512	Score	198
Exons	16545..16829		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	42827	Seq. ID	OJ000320_40.0413.C12
Gene No.	89372	Strand	+
Start	19154	End	21057
Name	OJ000320_40.0413.C12.o5.np	Method	AAT/NAP
Start	19154	End	21057
GI	7485328	Score	962
Exons	19154..19225, 19395..19611, 19690..19964, 20321..20536, 20643..20798, 20875..21057		
GI Descrip.	hypothetical protein F10M23.100 - Arabidopsis thaliana gi\|4455199\|emb\|CAB36522.1\| (AL035440) putative protein [Arabidopsis thaliana] gi\|7269528\|emb\|CAB79531.1\| (AL161565) putative protein [Arabidopsis thaliana]		

Seq. No.	42827	Seq. ID	OJ000320_40.0413.C12
Gene No.	89372	Strand	+
Start	19154	End	21057
Name	OJ000320_40.0413.C12.o5.gs	Method	GENSCAN
Start	19440	End	20798
GI	none	Score	.73
Exons	19440..19598, 19707..19964, 20321..20536, 20643..20798		

Seq. No.	42827	Seq. ID	OJ000320_40.0413.C12
Gene No.	89373	Strand	-
Start	269	End	6507
Name	OJ000320_40.0413.C12.o1.np	Method	AAT/NAP
Start	269	End	742
GI	6069646	Score	183
Exons	269..742		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	42827	Seq. ID	OJ000320_40.0413.C12
Gene No.	89373	Strand	-

Start	269	End	6507
Name	OJ000320_40.0413.C12.o1.gs	Method	GENSCAN
Start	421	End	6507
GI	none	Score	.42
Exons	421..778, 2309..2520, 2546..2853, 4940..4965, 6248..6507		

Seq. No.	42827	Seq. ID	OJ000320_40.0413.C12
Gene No.	89374	Strand	-
Start	13299	End	16786
Name	OJ000320_40.0413.C12.o2.tw	Method	TBLASTX:Wheat
Start	398	End	748
GI	none	Score	72
Exons	398..436, 554..748, 564..746		

Seq. No.	42827	Seq. ID	OJ000320_40.0413.C12
Gene No.	89374	Strand	-
Start	13299	End	16786
Name	OJ000320_40.0413.C12.o6.tm	Method	TBLASTX:Maize
Start	476	End	743
GI	none	Score	67
Exons	476..508, 536..742, 648..743		

Seq. No.	42827	Seq. ID	OJ000320_40.0413.C12
Gene No.	89374	Strand	-
Start	13299	End	16786
Name	OJ000320_40.0413.C12.o1.ts	Method	TBLASTX:Soybean
Start	11417	End	12456
GI	none	Score	238
Exons	11417..11644, 11494..11577, 11663..11932, 11671..11793, 11981..12121, 12037..12135, 12175..12456, 12191..12451		

Seq. No.	42827	Seq. ID	OJ000320_40.0413.C12
Gene No.	89374	Strand	-
Start	13299	End	16786
Name	OJ000320_40.0413.C12.o2.tc	Method	TBLASTX:Cress
Start	11417	End	12454
GI	none	Score	124
Exons	11417..11536, 11546..11788, 11554..11793, 12191..12319, 12335..12454		

Seq. No.	42827	Seq. ID	OJ000320_40.0413.C12
Gene No.	89374	Strand	-
Start	13299	End	16786
Name	OJ000320_40.0413.C12.o5.tm	Method	TBLASTX:Maize
Start	11417	End	11731
GI	none	Score	244
Exons	11417..11665, 11663..11731		

Seq. No.	42827	Seq. ID	OJ000320_40.0413.C12
Gene No.	89374	Strand	-
Start	13299	End	16786
Name	OJ000320_40.0413.C12.o2.tm	Method	TBLASTX:Maize
Start	11738	End	12106
GI	none	Score	207
Exons	11738..11941, 11740..11937, 11860..11934, 11966..12106, 11996..12073, 12037..12102		

Seq. No.	42827	Seq. ID	OJ000320_40.0413.C12
Gene No.	89374	Strand	-
Start	13299	End	16786
Name	OJ000320_40.0413.C12.o4.tm	Method	TBLASTX:Maize
Start	12221	End	12454
GI	none	Score	282
Exons	12221..12454, 12232..12453		

Seq. No.	42827	Seq. ID	OJ000320_40.0413.C12
Gene No.	89374	Strand	-
Start	13299	End	16786
Name	OJ000320_40.0413.C12.o4.gs	Method	GENSCAN
Start	13299	End	16786
GI	none	Score	.51
Exons	13299..13569, 13712..13738, 14207..14552, 15691..15865, 16221..16263, 16704..16786		

Seq. No.	42827	Seq. ID	OJ000320_40.0413.C12
Gene No.	89374	Strand	-
Start	13299	End	16786
Name	OJ000320_40.0413.C12.o3.np	Method	AAT/NAP
Start	15812	End	16392
GI	5042454	Score	195
Exons	15812..15872, 16227..16392		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	42827	Seq. ID	OJ000320_40.0413.C12
Gene No.	89375	Strand	
Start	19135	End	21057
Name	OJ000320_40.0413.C12.o3.tm	Method	TBLASTX:Maize
Start	19135	End	19733
GI	none	Score	116
Exons	19135..19227, 19136..19204, 19138..19224, 19380..19595, 19387..19599, 19387..19593, 19389..19598, 19706..19732, 19707..19733		

Seq. No.	42827	Seq. ID	OJ000320_40.0413.C12
Gene No.	89375	Strand	
Start	19135	End	21057
Name	OJ000320_40.0413.C12.o3.ts	Method	TBLASTX:Soybean
Start	19376	End	19763
GI	none	Score	99
Exons	19376..19513, 19380..19517, 19389..19511, 19390..19533, 19509..19598, 19707..19763		

Seq. No.	42827	Seq. ID	OJ000320_40.0413.C12
Gene No.	89375	Strand	
Start	19135	End	21057
Name	OJ000320_40.0413.C12.o1.tc	Method	TBLASTX:Cress
Start	19380	End	20371
GI	none	Score	240
Exons	19380..19598, 19706..19762, 19707..19766, 19758..19859, 19761..19859, 19824..19964, 19844..19963, 20318..20371		

Seq. No.	42827	Seq. ID	OJ000320_40.0413.C12
Gene No.	89375	Strand	
Start	19135	End	21057

Name	OJ000320_40.0413.C12.o1.tw	Method	TBLASTX:Wheat
Start	19722	End	20497
GI	none	Score	230
Exons	19722..19976, 19761..19883, 19802..19963, 20318..20497, 20320..20475		

Seq. No.	42827	Seq. ID	OJ000320_40.0413.C12
Gene No.	89375	Strand	
Start	19135	End	21057
Name	OJ000320_40.0413.C12.o1.tm	Method	TBLASTX:Maize
Start	19734	End	21057
GI	none	Score	218
Exons	19734..19976, 19734..19886, 19736..19963, 20318..20539, 20320..20475, 20625..20798, 20641..20796, 20644..20802, 20669..20797, 20872..21057, 20943..21056		

Seq. No.	42827	Seq. ID	OJ000320_40.0413.C12
Gene No.	89375	Strand	
Start	19135	End	21057
Name	OJ000320_40.0413.C12.o2.ts	Method	TBLASTX:Soybean
Start	19794	End	21057
GI	none	Score	74
Exons	19794..19871, 19881..19964, 20307..20492, 20318..20539, 20320..20472, 20640..20798, 20647..20757, 20648..20797, 20867..21001, 20867..21001, 20872..21057, 20872..21030, 20943..21056		

Seq. No.	42827	Seq. ID	OJ000320_40.0413.C12
Gene No.	89375	Strand	
Start	19135	End	21057
Name	OJ000320_40.0413.C12.o3.tc	Method	TBLASTX:Cress
Start	20372	End	20747
GI	none	Score	158
Exons	20372..20539, 20372..20473, 20377..20475, 20398..20550, 20634..20747, 20663..20740		

Seq. No.	42827	Seq. ID	OJ000320_40.0413.C12
Gene No.	89375	Strand	
Start	19135	End	21057
Name	OJ000320_40.0413.C12.o4.tc	Method	TBLASTX:Cress
Start	20756	End	21057
GI	none	Score	49
Exons	20756..20797, 20757..20798, 20872..21057, 20872..21057		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89376	Strand	+
Start	107	End	2168
Name	OJ000320_40.0413.C13.o1.np	Method	AAT/NAP
Start	107	End	2168
GI	7329694	Score	130
Exons	107..255, 348..424, 2118..2168		
GI Descrip.	(AL162295) putative protein [Arabidopsis thaliana]		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89376	Strand	+
Start	107	End	2168
Name	OJ000320_40.0413.C13.o1.gs	Method	GENSCAN

Start	124	End	638
GI	none	Score	.79
Exons	124..255, 348..638		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89377	Strand	+
Start	6712	End	7149
Name	OJ000320_40.0413.C13.o3.gs	Method	GENSCAN
Start	6712	End	7149
GI	none	Score	.61
Exons	6712..6750, 7003..7149		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89378	Strand	+
Start	15783	End	19348
Name	OJ000320_40.0413.C13.o7.gs	Method	GENSCAN
Start	15783	End	19348
GI	none	Score	.99
Exons	15783..15833, 17151..17231, 17342..17677, 18114..18656, 18998..19173, 19291..19348		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89378	Strand	+
Start	15783	End	19348
Name	OJ000320_40.0413.C13.o1.gp	Method	AAT/GAP
Start	17067	End	17563
GI	2431271	Score	659
Exons	17067..17231, 17342..17563		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89378	Strand	+
Start	15783	End	19348
Name	OJ000320_40.0413.C13.o4.np	Method	AAT/NAP
Start	17094	End	19225
GI	6714526	Score	685
Exons	17094..17219, 17342..17677, 18114..18656, 19007..19225		
GI Descrip.	(AB029458) polygalacturonase [Salix gilgiana]		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89379	Strand	+
Start	20420	End	23119
Name	OJ000320_40.0413.C13.o5.np	Method	AAT/NAP
Start	20420	End	23116
GI	629852	Score	1341
Exons	20420..20512, 21437..21835, 22373..23116		
GI Descrip.	polygalacturonase - maize gi\|288367\|emb\|CAA46680.1\| (X65845) polygalacturonase [Zea mays]		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89379	Strand	+
Start	20420	End	23119
Name	OJ000320_40.0413.C13.o2.gp	Method	AAT/GAP
Start	21263	End	22670
GI	26916_2.R1084	Score	1678
Exons	21263..21835, 22373..22670		
GI Descrip.	'129940/sp\|P26216\|PGLR_MAIZE 1.0e-75 EXOPOLYGALACTURONASE PRECURSOR (EXOPG) (PECTINASE) (GALACTURAN		

1,4-ALPHA-GALACTURONIDASE) >gi_100911_pir__S18570
polygalacturonase (EC 3.2.1.15) precursor - maize
>gi_22417_emb_CAA40850_ (X57627) polygalacturonase [Zea mays]
>gi_22419_emb_CAA44249_ (X62385) polygalacturonase [Zea mays]
>gi_288374_emb_CAA46679_ (X65844) polygalacturonase [Zea mays]'

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89379	Strand	+
Start	20420	End	23119
Name	OJ000320_40.0413.C13.o8.gs	Method	GENSCAN
Start	21305	End	23119
GI	none	Score	.55
Exons	21305..21835, 22373..23119		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89380	Strand	+
Start	24663	End	25304
Name	OJ000320_40.0413.C13.o6.np	Method	AAT/NAP
Start	24663	End	25304
GI	6815097	Score	668
Exons	24663..24906, 24947..25304		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89381	Strand	+
Start	25511	End	26295
Name	OJ000320_40.0413.C13.o10.gs	Method	GENSCAN
Start	25511	End	26295
GI	none	Score	.95
Exons	25511..26045, 26102..26295		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89382	Strand	-
Start	1459	End	3429
Name	OJ000320_40.0413.C13.o2.gs	Method	GENSCAN
Start	1459	End	3429
GI	none	Score	.95
Exons	1459..1554, 1682..2221, 2376..2597, 2674..3120, 3343..3429		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89383	Strand	-
Start	8232	End	10398
Name	OJ000320_40.0413.C13.o4.gs	Method	GENSCAN
Start	8232	End	10079
GI	none	Score	.84
Exons	8232..10079		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89383	Strand	-
Start	8232	End	10398
Name	OJ000320_40.0413.C13.o3.np	Method	AAT/NAP
Start	8310	End	10398
GI	7485910	Score	1278
Exons	8310..10066, 10320..10398		
GI Descrip.	hypothetical protein F21B7.18 - Arabidopsis thaliana gi\|2809249\|gb\|AAB97709.1\| (AC002560) F21B7.18 [Arabidopsis		

thaliana]

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89384	Strand	-
Start	10764	End	11910
Name	OJ000320_40.0413.C13.o5.gs	Method	GENSCAN
Start	10764	End	11910
GI	none	Score	.97
Exons	10764..11366, 11893..11910		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89385	Strand	-
Start	23653	End	24111
Name	OJ000320_40.0413.C13.o9.gs	Method	GENSCAN
Start	23653	End	24111
GI	none	Score	.95
Exons	23653..23902, 24065..24111		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89386	Strand	-
Start	25662	End	31856
Name	OJ000320_40.0413.C13.o7.np	Method	AAT/NAP
Start	25662	End	30903
GI	2129840	Score	770
Exons	25662..25779, 27372..27511, 27703..27746, 27836..28004, 28108..28295, 28454..28518, 28611..28686, 28874..28966, 30719..30903		
GI Descrip.	nucleosome assembly protein 1 - soybean gi\|1161252\|gb\|AAA88792.1\| (L38856) nucleosome assembly protein 1 [Glycine max]		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89386	Strand	-
Start	25662	End	31856
Name	OJ000320_40.0413.C13.o11.gs	Method	GENSCAN
Start	27367	End	31856
GI	none	Score	.98
Exons	27367..27460, 27703..27746, 27836..28004, 28108..28295, 28874..28966, 30719..30814, 30906..30949, 31066..31239, 31646..31856		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89387	Strand	-
Start	34757	End	34878
Name	OJ000320_40.0413.C13.o8.np	Method	AAT/NAP
Start	34757	End	34878
GI	7452462	Score	57
Exons	34757..34878		
GI Descrip.	hypothetical protein T19L18.12 - Arabidopsis thaliana gi\|3413706\|gb\|AAC31229.1\| (AC004747) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89388	Strand	-
Start	37085	End	39223
Name	OJ000320_40.0413.C13.o8.tm	Method	TBLASTX:Maize
Start	107	End	416

GI	none	Score	151
Exons	107..211, 108..257, 126..257, 328..414, 345..416		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89388	Strand	-
Start	37085	End	39223
Name	OJ000320_40.0413.C13.o7.tc	Method	TBLASTX:Cress
Start	345	End	602
GI	none	Score	164
Exons	345..512, 407..490, 560..589, 561..602		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89388	Strand	-
Start	37085	End	39223
Name	OJ000320_40.0413.C13.o5.tm	Method	TBLASTX:Maize
Start	1457	End	2224
GI	none	Score	41
Exons	1457..1480, 1530..1556, 1673..1720, 1680..1715, 1803..1847, 1841..1864, 1959..2042, 1988..2071, 2096..2224, 2097..2222		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89388	Strand	-
Start	37085	End	39223
Name	OJ000320_40.0413.C13.o3.ts	Method	TBLASTX:Soybean
Start	8307	End	8768
GI	none	Score	94
Exons	8307..8768, 8317..8565, 8668..8763		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89388	Strand	-
Start	37085	End	39223
Name	OJ000320_40.0413.C13.o3.tm	Method	TBLASTX:Maize
Start	8316	End	9668
GI	none	Score	92
Exons	8316..9053, 8620..8922, 8685..8855, 8736..9032, 8769..9053, 9039..9386, 9069..9626, 9114..9290, 9423..9668		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89388	Strand	-
Start	37085	End	39223
Name	OJ000320_40.0413.C13.o3.tc	Method	TBLASTX:Cress
Start	8325	End	8918
GI	none	Score	81
Exons	8325..8837, 8601..8741, 8886..8918		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89388	Strand	-
Start	37085	End	39223
Name	OJ000320_40.0413.C13.o1.tw	Method	TBLASTX:Wheat
Start	8623	End	9668
GI	none	Score	69
Exons	8623..8742, 8628..8945, 8628..9035, 8794..9036, 9069..9359, 9106..9291, 9309..9668		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89388	Strand	-
Start	37085	End	39223

Name	OJ000320_40.0413.C13.o6.ts	Method	TBLASTX:Soybean
Start	8772	End	9659
GI	none	Score	78
Exons	8772..9053, 9069..9362, 9070..9219, 9122..9244, 9375..9659		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89388	Strand	-
Start	37085	End	39223
Name	OJ000320_40.0413.C13.o6.tc	Method	TBLASTX:Cress
Start	8841	End	9671
GI	none	Score	142
Exons	8841..9053, 9060..9374, 9069..9587, 9264..9671, 9357..9632		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89388	Strand	-
Start	37085	End	39223
Name	OJ000320_40.0413.C13.o1.tm	Method	TBLASTX:Maize
Start	17438	End	23119
GI	none	Score	127
Exons	17438..17662, 18114..18509, 18152..18508, 18555..18644, 19009..19203, 19010..19204, 21488..21688, 21526..21645, 21621..21692, 21706..21846, 21707..21835, 22373..23119, 22411..23118, 22916..23119		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89388	Strand	-
Start	37085	End	39223
Name	OJ000320_40.0413.C13.o2.tc	Method	TBLASTX:Cress
Start	17528	End	23113
GI	none	Score	115
Exons	17528..17674, 17539..17616, 18114..18509, 18167..18508, 18558..18653, 18998..19204, 19009..19143, 21503..21661, 21529..21627, 21710..21832, 22406..23113, 22429..22611, 22831..23070		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89388	Strand	-
Start	37085	End	39223
Name	OJ000320_40.0413.C13.o2.tw	Method	TBLASTX:Wheat
Start	17552	End	22542
GI	none	Score	82
Exons	17552..17662, 18114..18275, 18123..18224, 18131..18274, 21557..21688, 21621..21680, 21707..21835, 21709..21783, 22346..22540, 22411..22542		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89388	Strand	-
Start	37085	End	39223
Name	OJ000320_40.0413.C13.o1.ts	Method	TBLASTX:Soybean
Start	18114	End	23116
GI	none	Score	349
Exons	18114..18509, 18131..18283, 18317..18502, 18558..18644, 19009..19212, 19010..19204, 21635..21688, 21639..21701, 21640..21717, 21694..21783, 21695..21796, 22373..22891, 22411..22668, 22738..22869, 22888..23115, 22898..23116		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13

Gene No.	89388	Strand	-
Start	37085	End	39223
Name	OJ000320_40.0413.C13.o4.tm	Method	TBLASTX:Maize
Start	24806	End	25136
GI	none	Score	105
Exons	24806..24907, 24808..24909, 24918..25136, 24947..25135		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89388	Strand	-
Start	37085	End	39223
Name	OJ000320_40.0413.C13.o7.tm	Method	TBLASTX:Maize
Start	25136	End	25471
GI	none	Score	72
Exons	25136..25201, 25137..25199, 25256..25468, 25258..25470, 25260..25469, 25271..25471		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89388	Strand	-
Start	37085	End	39223
Name	OJ000320_40.0413.C13.o4.ts	Method	TBLASTX:Soybean
Start	25456	End	26112
GI	none	Score	293
Exons	25456..25818, 25472..25783, 25994..26068, 26071..26112		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89388	Strand	-
Start	37085	End	39223
Name	OJ000320_40.0413.C13.o5.tc	Method	TBLASTX:Cress
Start	25492	End	26112
GI	none	Score	269
Exons	25492..25779, 25496..25780, 25937..26068, 25999..26067, 26071..26112, 26073..26111		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89388	Strand	-
Start	37085	End	39223
Name	OJ000320_40.0413.C13.o5.ts	Method	TBLASTX:Soybean
Start	27222	End	30820
GI	none	Score	70
Exons	27222..27284, 27433..27510, 27698..27739, 27705..27746, 27818..27952, 27839..27934, 27881..28003, 27948..28004, 28107..28142, 28134..28298, 28147..28296, 28451..28519, 28455..28517, 28874..28969, 30719..30820		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89388	Strand	-
Start	37085	End	39223
Name	OJ000320_40.0413.C13.o4.tw	Method	TBLASTX:Wheat
Start	27225	End	28240
GI	none	Score	66
Exons	27225..27269, 27227..27265, 27436..27510, 27464..27511, 27688..27747, 27700..27738, 27705..27746, 27818..27952, 27835..27954, 27836..27934, 27881..28003, 27892..27966, 27937..28008, 27951..28004, 27955..28047, 28083..28232, 28131..28232, 28136..28240, 28147..28233		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13

Gene No.	89388	Strand	-
Start	37085	End	39223
Name	OJ000320_40.0413.C13:o6.tm	Method	TBLASTX:Maize
Start	27227	End	30820
GI	none	Score	42
Exons	27227..27274, 27351..27500, 27433..27510, 27701..27736, 27705..27746, 27836..27952, 27839..27907, 27881..28003, 27937..28008, 27951..28004, 28107..28205, 28134..28298, 28136..28162, 28150..28296, 28448..28519, 28874..28969, 30719..30820		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89388	Strand	-
Start	37085	End	39223
Name	OJ000320_40.0413.C13.o4.tc	Method	TBLASTX:Cress
Start	27705	End	28262
GI	none	Score	94
Exons	27705..27749, 27863..27925, 27896..27952, 27929..28003, 28107..28142, 28134..28262, 28147..28260		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89388	Strand	-
Start	37085	End	39223
Name	OJ000320_40.0413.C13.o4.gp	Method	AAT/GAP
Start	36570	End	39222
GI	1765_1.R1084	Score	1984
Exons	36570..36612, 36765..36793, 36825..37179, 37289..37406, 37686..37784, 37873..37998, 38081..38158, 38247..38435, 39067..39222		
GI Descrip.	'3688181/emb\|CAA21209\| 4.0e-33 (AL031804) putative protein (fragment) [Arabidopsis thaliana]'		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89388	Strand	-
Start	37085	End	39223
Name	OJ000320_40.0413.C13.o2.tm	Method	TBLASTX:Maize
Start	36899	End	39223
GI	none	Score	56
Exons	36899..36922, 36972..37034, 36973..37035, 36976..37044, 36989..37054, 37104..37178, 37115..37180, 37116..37181, 37120..37191, 37268..37402, 37286..37408, 37290..37415, 37291..37404, 37291..37419, 37681..37785, 37686..37787, 37686..37790, 37865..37999, 37866..38000, 37867..38004, 37867..38001, 37910..38014, 38075..38164, 38082..38159, 38082..38183, 38092..38169, 38241..38435, 38247..38435, 38248..38436, 38251..38439, 38252..38461, 39064..39108, 39067..39210, 39068..39223, 39143..39220		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89388	Strand	-
Start	37085	End	39223
Name	OJ000320_40.0413.C13.o12.gs	Method	GENSCAN
Start	37085	End	38321
GI	none	Score	.85
Exons	37085..37179, 37643..37784, 37873..37998, 38081..38158, 38247..38321		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89388	Strand	-
Start	37085	End	39223
Name	OJ000320_40.0413.C13.o9.np	Method	AAT/NAP
Start	37088	End	39222
GI	710308	Score	1260
Exons	37088..37179, 37289..37406, 37686..37784, 37873..37998, 38081..38158, 38247..38435, 39067..39222		
GI Descrip.	(U11693) victorin binding protein [Avena sativa]		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89388	Strand	-
Start	37085	End	39223
Name	OJ000320_40.0413.C13.o2.ts	Method	TBLASTX:Soybean
Start	37118	End	39223
GI	none	Score	81
Exons	37118..37180, 37134..37181, 37287..37409, 37290..37415, 37291..37416, 37686..37787, 37686..37790, 37867..38001, 37872..38000, 37910..38014, 38081..38164, 38082..38159, 38082..38183, 38241..38435, 38248..38436, 38248..38436, 39058..39222, 39062..39223		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89388	Strand	-
Start	37085	End	39223
Name	OJ000320_40.0413.C13.o1.tc	Method	TBLASTX:Cress
Start	37133	End	39223
GI	none	Score	53
Exons	37133..37180, 37134..37181, 37290..37415, 37291..37404, 37684..37785, 37686..37787, 37686..37790, 37867..38001, 37872..38000, 37873..38004, 37910..38014, 38081..38164, 38082..38159, 38122..38163, 38241..38396, 38247..38435, 38248..38436, 39058..39222, 39064..39108, 39074..39223, 39146..39223		

Seq. No.	42828	Seq. ID	OJ000320_40.0413.C13
Gene No.	89388	Strand	-
Start	37085	End	39223
Name	OJ000320_40.0413.C13.o3.tw	Method	TBLASTX:Wheat
Start	37135	End	37947
GI	none	Score	80
Exons	37135..37191, 37136..37177, 37268..37402, 37287..37415, 37288..37404, 37288..37419, 37681..37785, 37686..37787, 37686..37790, 37706..37798, 37866..37940, 37866..37928, 37867..37947, 37867..37941		

Seq. No.	42829	Seq. ID	OJ000350_45.0407.C3
Gene No.	89389	Strand	+
Start	1692	End	6618
Name	OJ000350_45.0407.C3.o1.gs	Method	GENSCAN
Start	1692	End	6618
GI	none	Score	.69
Exons	1692..1714, 1829..2220, 2443..2598, 2676..2820, 2907..3075, 4471..4741, 4833..5095, 5176..5391, 6415..6618		

Seq. No.	42829	Seq. ID	OJ000350_45.0407.C3
Gene No.	89389	Strand	+

Start	1692	End	6618
Name	OJ000350_45.0407.C3.o1.np	Method	AAT/NAP
Start	2448	End	5731
GI	6633826	Score	1754
Exons	2448..2598, 2676..2820, 2907..3075, 4471..4774, 4833..5095, 5176..5391, 5478..5607, 5694..5731		
GI Descrip.	(AC009519) F1N19.22 [Arabidopsis thaliana]		

Seq. No.	42829	Seq. ID	OJ000350_45.0407.C3
Gene No.	89389	Strand	+
Start	1692	End	6618
Name	OJ000350_45.0407.C3.o1.gp	Method	AAT/GAP
Start	4480	End	5368
GI	25639_1.R1084	Score	1237
Exons	4480..4741, 4833..5095, 5176..5368		
GI Descrip.	'4469023/emb\|CAB38284\| 3.0e-70 (AL035602) putative protein [Arabidopsis thaliana]'		

Seq. No.	42829	Seq. ID	OJ000350_45.0407.C3
Gene No.	89389	Strand	+
Start	1692	End	6618
Name	OJ000350_45.0407.C3.o2.gp	Method	AAT/GAP
Start	5484	End	6077
GI	none	Score	955
Exons	5484..5592, 5691..6077		

Seq. No.	42829	Seq. ID	OJ000350_45.0407.C3
Gene No.	89390	Strand	+
Start	10435	End	10629
Name	OJ000350_45.0407.C3.o4.gp	Method	AAT/GAP
Start	10362	End	10629
GI	uC-osroM202031b10b1	Score	508
Exons	10362..10629		
GI Descrip.	'4559346/gb\|AAD23007.1\|AC006585_2 4.0e-12 (AC006585) early nodulin 16 [Arabidopsis thaliana]'		

Seq. No.	42829	Seq. ID	OJ000350_45.0407.C3
Gene No.	89390	Strand	+
Start	10435	End	10629
Name	OJ000350_45.0407.C3.o3.gs	Method	GENSCAN
Start	10435	End	10627
GI	none	Score	.97
Exons	10435..10627		

Seq. No.	42829	Seq. ID	OJ000350_45.0407.C3
Gene No.	89391	Strand	-
Start	8151	End	8933
Name	OJ000350_45.0407.C3.o2.tc	Method	TBLASTX:Cress
Start	2403	End	3066
GI	none	Score	204
Exons	2403..2597, 2534..2596, 2674..2820, 2675..2821, 2905..3015, 3013..3066		

Seq. No.	42829	Seq. ID	OJ000350_45.0407.C3
Gene No.	89391	Strand	-
Start	8151	End	8933
Name	OJ000350_45.0407.C3.o1.tw	Method	TBLASTX:Wheat

Start	2434	End	2749
GI	none	Score	97
Exons	2434..2505, 2436..2597, 2436..2516, 2546..2596, 2675..2749, 2677..2748		

Seq. No.	42829	Seq. ID	OJ000350_45.0407.C3
Gene No.	89391	Strand	-
Start	8151	End	8933
Name	OJ000350_45.0407.C3.o3.tm	Method	TBLASTX:Maize
Start	2436	End	2794
GI	none	Score	93
Exons	2436..2516, 2437..2505, 2445..2597, 2537..2596, 2675..2794, 2677..2793		

Seq. No.	42829	Seq. ID	OJ000350_45.0407.C3
Gene No.	89391	Strand	-
Start	8151	End	8933
Name	OJ000350_45.0407.C3.o1.ts	Method	TBLASTX:Soybean
Start	2442	End	5573
GI	none	Score	196
Exons	2442..2636, 2442..2519, 2534..2596, 2674..2820, 2675..2821, 2905..3075, 2911..3021, 2967..3053, 4398..4739, 4468..4740, 4468..4737, 4469..4738, 4470..4739, 4827..5015, 4828..5016, 4828..5016, 4832..5017, 5021..5092, 5036..5092, 5178..5372, 5179..5412, 5191..5391, 5469..5573, 5477..5572		

Seq. No.	42829	Seq. ID	OJ000350_45.0407.C3
Gene No.	89391	Strand	-
Start	8151	End	8933
Name	OJ000350_45.0407.C3.o1.tm	Method	TBLASTX:Maize
Start	2905	End	5962
GI	none	Score	279
Exons	2905..3075, 2948..2968, 2967..3050, 2977..3075, 4465..4740, 4470..4742, 4470..4739, 4828..5094, 4828..5094, 4829..5095, 4832..5098, 5136..5375, 5166..5396, 5167..5412, 5173..5394, 5180..5422, 5469..5573, 5475..5585, 5477..5599, 5480..5590, 5684..5770, 5684..5707, 5690..5767, 5691..5783, 5763..5798, 5811..5894, 5826..5864, 5927..5959, 5930..5962		

Seq. No.	42829	Seq. ID	OJ000350_45.0407.C3
Gene No.	89391	Strand	-
Start	8151	End	8933
Name	OJ000350_45.0407.C3.o4.tc	Method	TBLASTX:Cress
Start	4491	End	4635
GI	none	Score	204
Exons	4491..4634, 4492..4635		

Seq. No.	42829	Seq. ID	OJ000350_45.0407.C3
Gene No.	89391	Strand	-
Start	8151	End	8933
Name	OJ000350_45.0407.C3.o1.tc	Method	TBLASTX:Cress
Start	4636	End	5734
GI	none	Score	134
Exons	4636..4716, 4639..4740, 4647..4739, 4816..5010, 4816..5013, 4832..5014, 5023..5094, 5024..5095, 5167..5412, 5178..5375, 5197..5391, 5243..5392, 5469..5573, 5477..5584, 5696..5734		

Seq. No.	42829	Seq. ID	OJ000350_45.0407.C3
Gene No.	89391	Strand	-
Start	8151	End	8933
Name	OJ000350_45.0407.C3.o2.tw	Method	TBLASTX:Wheat
Start	5466	End	5837
GI	none	Score	156
Exons	5466..5573, 5468..5584, 5469..5573, 5470..5586, 5471..5584, 5684..5731, 5686..5733, 5687..5734, 5793..5837		

Seq. No.	42829	Seq. ID	OJ000350_45.0407.C3
Gene No.	89391	Strand	-
Start	8151	End	8933
Name	OJ000350_45.0407.C3.o4.tm	Method	TBLASTX:Maize
Start	7824	End	8334
GI	none	Score	63
Exons	7824..7877, 7825..7878, 7880..7921, 7881..7928, 7882..7923, 7939..7992, 7943..7993, 7943..7993, 8055..8084, 8109..8288, 8151..8333, 8155..8334		

Seq. No.	42829	Seq. ID	OJ000350_45.0407.C3
Gene No.	89391	Strand	-
Start	8151	End	8933
Name	OJ000350_45.0407.C3.o3.gp	Method	AAT/GAP
Start	8084	End	8703
GI	60012_1.R1084	Score	1108
Exons	8084..8703		
GI Descrip.	'2146740/pir\|\|S71194 7.0e-36 inner mitochondrial membrane protein - Arabidopsis thaliana >gi_603056 (U18126) inner mitochondrial membrane protein [Arabidopsis thaliana]'		

Seq. No.	42829	Seq. ID	OJ000350_45.0407.C3
Gene No.	89391	Strand	-
Start	8151	End	8933
Name	OJ000350_45.0407.C3.o2.gs	Method	GENSCAN
Start	8151	End	8933
GI	none	Score	.99
Exons	8151..8522, 8922..8933		

Seq. No.	42829	Seq. ID	OJ000350_45.0407.C3
Gene No.	89391	Strand	-
Start	8151	End	8933
Name	OJ000350_45.0407.C3.o2.np	Method	AAT/NAP
Start	8157	End	8712
GI	2146740	Score	548
Exons	8157..8712		
GI Descrip.	inner mitochondrial membrane protein - Arabidopsis thaliana gi\|603056 (U18126) inner mitochondrial membrane protein [Arabidopsis thaliana] gi\|6648153\|gb\|AAF21153.1\|AC010926_5 (AC010926) inner mitochondrial membrane protein [Arabidopsis thaliana]		

Seq. No.	42829	Seq. ID	OJ000350_45.0407.C3
Gene No.	89391	Strand	-
Start	8151	End	8933
Name	OJ000350_45.0407.C3.o2.ts	Method	TBLASTX:Soybean
Start	8160	End	8682
GI	none	Score	93

Exons	8160..8285, 8160..8462, 8242..8460, 8518..8562, 8519..8563, 8575..8682, 8579..8671		
Seq. No.	42829	Seq. ID	OJ000350_45.0407.C3
Gene No.	89391	Strand	-
Start	8151	End	8933
Name	OJ000350_45.0407.C3.o3.tc	Method	TBLASTX:Cress
Start	8160	End	8730
GI	none	Score	160
Exons	8160..8459, 8251..8460, 8518..8622, 8525..8611, 8632..8730		
Seq. No.	42829	Seq. ID	OJ000350_45.0407.C3
Gene No.	89391	Strand	-
Start	8151	End	8933
Name	OJ000350_45.0407.C3.o2.tm	Method	TBLASTX:Maize
Start	8334	End	8715
GI	none	Score	142
Exons	8334..8462, 8335..8460, 8518..8715, 8522..8698		
Seq. No.	42830	Seq. ID	OJ000350_45.0407.C4
Gene No.	89392	Strand	-
Start	1	End	6269
Name	OJ000350_45.0407.C4.o1.np	Method	AAT/NAP
Start	1	End	4819
GI	7496550	Score	213
Exons	1..60, 1297..1348, 1577..2243, 4791..4819		
GI Descrip.	hypothetical protein C26D10.4 - Caenorhabditis elegans gi\|3874511\|emb\|CAA91122.1\| (Z54327) C26D10.4 [Caenorhabditis elegans]		
Seq. No.	42830	Seq. ID	OJ000350_45.0407.C4
Gene No.	89392	Strand	-
Start	1	End	6269
Name	OJ000350_45.0407.C4.o1.gs	Method	GENSCAN
Start	950	End	6269
GI	none	Score	.66
Exons	950..1348, 1577..2271, 2434..2505, 2671..2823, 2884..3048, 3241..3453, 3636..3762, 4408..4718, 4846..5125, 5203..5718, 6153..6269		
Seq. No.	42830	Seq. ID	OJ000350_45.0407.C4
Gene No.	89392	Strand	-
Start	1	End	6269
Name	OJ000350_45.0407.C4.o2.tm	Method	TBLASTX:Maize
Start	996	End	2073
GI	none	Score	245
Exons	996..1349, 1001..1363, 1017..1418, 1019..1363, 1264..1368, 1568..1621, 1572..1625, 1574..1615, 1622..1864, 1622..1861, 1856..2068, 1857..2069, 1864..2073		
Seq. No.	42830	Seq. ID	OJ000350_45.0407.C4
Gene No.	89392	Strand	-
Start	1	End	6269
Name	OJ000350_45.0407.C4.o1.ts	Method	TBLASTX:Soybean
Start	1754	End	2233
GI	none	Score	105
Exons	1754..2059, 1827..1907, 1849..1980, 1938..2087, 2037..2228,		

2072..2230, 2075..2233

Seq. No.	42830	Seq. ID	OJ000350_45.0407.C4
Gene No.	89392	Strand	-
Start	1	End	6269
Name	OJ000350_45.0407.C4.o4.tm	Method	TBLASTX:Maize
Start	2075	End	2285
GI	none	Score	188
Exons	2075..2275, 2075..2284, 2076..2285		

Seq. No.	42830	Seq. ID	OJ000350_45.0407.C4
Gene No.	89392	Strand	-
Start	1	End	6269
Name	OJ000350_45.0407.C4.o1.tm	Method	TBLASTX:Maize
Start	2574	End	3029
GI	none	Score	45
Exons	2574..2642, 2576..2665, 2648..3028, 2649..3029		

Seq. No.	42830	Seq. ID	OJ000350_45.0407.C4
Gene No.	89392	Strand	-
Start	1	End	6269
Name	OJ000350_45.0407.C4.o2.ts	Method	TBLASTX:Soybean
Start	2601	End	2834
GI	none	Score	118
Exons	2601..2834, 2603..2833		

Seq. No.	42830	Seq. ID	OJ000350_45.0407.C4
Gene No.	89392	Strand	-
Start	1	End	6269
Name	OJ000350_45.0407.C4.o3.tm	Method	TBLASTX:Maize
Start	3332	End	4633
GI	none	Score	168
Exons	3332..3463, 3333..3467, 3625..3765, 3626..3760, 3628..3765, 4396..4629, 4397..4633		

Seq. No.	42831	Seq. ID	OJ000350_45.0407.C5
Gene No.	89393	Strand	+
Start	5702	End	7313
Name	OJ000350_45.0407.C5.o3.gs	Method	GENSCAN
Start	5702	End	7313
GI	none	Score	.79
Exons	5702..5716, 5795..5863, 7173..7313		

Seq. No.	42831	Seq. ID	OJ000350_45.0407.C5
Gene No.	89394	Strand	+
Start	13126	End	18206
Name	OJ000350_45.0407.C5.o3.gp	Method	AAT/GAP
Start	12805	End	13124
GI	701718	Score	617
Exons	12805..13124		

Seq. No.	42831	Seq. ID	OJ000350_45.0407.C5
Gene No.	89394	Strand	+
Start	13126	End	18206
Name	OJ000350_45.0407.C5.o5.gs	Method	GENSCAN
Start	13126	End	18206
GI	none	Score	.54

Exons	13126..14166, 14382..14720, 14817..14868, 16010..16089, 16198..16270, 16348..16868, 17049..17068, 17467..17560, 18000..18206		
Seq. No.	42831	Seq. ID	OJ000350_45.0407.C5
Gene No.	89394	Strand	+
Start	13126	End	18206
Name	OJ000350_45.0407.C5.o4.gp	Method	AAT/GAP
Start	13500	End	13750
GI	none	Score	490
Exons	13500..13750		
Seq. No.	42831	Seq. ID	OJ000350_45.0407.C5
Gene No.	89394	Strand	+
Start	13126	End	18206
Name	OJ000350_45.0407.C5.o3.np	Method	AAT/NAP
Start	14045	End	16589
GI	4039155	Score	1195
Exons	14045..14289, 14382..14472, 14563..14720, 14817..14868, 16010..16089, 16177..16270, 16348..16589		
GI Descrip.	(AF104258) putative copper-inducible 35.6 kDa protein [Festuca rubra]		
Seq. No.	42831	Seq. ID	OJ000350_45.0407.C5
Gene No.	89394	Strand	+
Start	13126	End	18206
Name	OJ000350_45.0407.C5.o5.gp	Method	AAT/GAP
Start	16338	End	16796
GI	LIB3434-044-P1-K1-H8	Score	869
Exons	16338..16796		
GI Descrip.	'4039155 2.0e-29 (AF104258) putative copper-inducible 35.6 kDa protein [Festuca rubra]'		
Seq. No.	42831	Seq. ID	OJ000350_45.0407.C5
Gene No.	89395	Strand	-
Start	1	End	1673
Name	OJ000350_45.0407.C5.o1.gp	Method	AAT/GAP
Start	1	End	1673
GI	3338_1.R1084	Score	1182
Exons	1..409, 1379..1673		
GI Descrip.	'2132068/pir\|\|S67033 1.0e-50 hypothetical protein YOR145c - yeast (Saccharomyces cerevisiae) >gi_1293706 (U55020) O3513p [Saccharomyces cerevisiae] >gi_1420368_emb_CAA99349_ (Z75053) ORF YOR145c [Saccharomyces cerevisiae]'		
Seq. No.	42831	Seq. ID	OJ000350_45.0407.C5
Gene No.	89395	Strand	-
Start	1	End	1673
Name	OJ000350_45.0407.C5.o1.np	Method	AAT/NAP
Start	1	End	1669
GI	7295605	Score	594
Exons	1..409, 1379..1669		
GI Descrip.	(AE003571) CG11738 gene product [Drosophila melanogaster]		
Seq. No.	42831	Seq. ID	OJ000350_45.0407.C5
Gene No.	89395	Strand	-
Start	1	End	1673

Name	OJ000350_45.0407.C5.o1.gs	Method	GENSCAN
Start	89	End	1639
GI	none	Score	.81
Exons	89..409, 1379..1639		

Seq. No.	42831	Seq. ID	OJ000350_45.0407.C5
Gene No.	89396	Strand	-
Start	1920	End	4851
Name	OJ000350_45.0407.C5.o2.gp	Method	AAT/GAP
Start	1920	End	2392
GI	none	Score	918
Exons	1920..2392		

Seq. No.	42831	Seq. ID	OJ000350_45.0407.C5
Gene No.	89396	Strand	-
Start	1920	End	4851
Name	OJ000350_45.0407.C5.o2.gs	Method	GENSCAN
Start	2093	End	4851
GI	none	Score	.96
Exons	2093..2200, 3364..4464, 4540..4851		

Seq. No.	42831	Seq. ID	OJ000350_45.0407.C5
Gene No.	89396	Strand	-
Start	1920	End	4851
Name	OJ000350_45.0407.C5.o2.np	Method	AAT/NAP
Start	3358	End	4780
GI	6630737	Score	1253
Exons	3358..4464, 4540..4780		
GI Descrip.	(AL132958) nodulin / glutamate-ammonia ligase-like protein [Arabidopsis thaliana]		

Seq. No.	42831	Seq. ID	OJ000350_45.0407.C5
Gene No.	89397	Strand	-
Start	18904	End	19437
Name	OJ000350_45.0407.C5.o6.gs	Method	GENSCAN
Start	18904	End	19437
GI	none	Score	.93
Exons	18904..19437		

Seq. No.	42831	Seq. ID	OJ000350_45.0407.C5
Gene No.	89398	Strand	-
Start	20097	End	20821
Name	OJ000350_45.0407.C5.o2.tm	Method	TBLASTX:Maize
Start	2	End	1619
GI	none	Score	505
Exons	2..412, 42..410, 1377..1493, 1379..1552, 1380..1619		

Seq. No.	42831	Seq. ID	OJ000350_45.0407.C5
Gene No.	89398	Strand	-
Start	20097	End	20821
Name	OJ000350_45.0407.C5.o1.ts	Method	TBLASTX:Soybean
Start	20	End	1547
GI	none	Score	327
Exons	20..412, 42..410, 1379..1546, 1383..1547		

Seq. No.	42831	Seq. ID	OJ000350_45.0407.C5
Gene No.	89398	Strand	-

Start	20097	End	20821
Name	OJ000350_45.0407.C5.o3.tm	Method	TBLASTX:Maize
Start	3428	End	4218
GI	none	Score	306
Exons	3428..3703, 3436..3705, 3517..3705, 3643..3774, 3952..3975, 4018..4218, 4033..4119		

Seq. No.	42831	Seq. ID	OJ000350_45.0407.C5
Gene No.	89398	Strand	-
Start	20097	End	20821
Name	OJ000350_45.0407.C5.o1.tc	Method	TBLASTX:Cress
Start	3436	End	3945
GI	none	Score	88
Exons	3436..3564, 3466..3834, 3547..3837, 3679..3945		

Seq. No.	42831	Seq. ID	OJ000350_45.0407.C5
Gene No.	89398	Strand	-
Start	20097	End	20821
Name	OJ000350_45.0407.C5.o2.ts	Method	TBLASTX:Soybean
Start	3607	End	4452
GI	none	Score	94
Exons	3607..3789, 3722..3784, 3802..3942, 3808..3936, 3949..4299, 3952..4452, 4114..4452		

Seq. No.	42831	Seq. ID	OJ000350_45.0407.C5
Gene No.	89398	Strand	-
Start	20097	End	20821
Name	OJ000350_45.0407.C5.o3.tc	Method	TBLASTX:Cress
Start	13849	End	14121
GI	none	Score	168
Exons	13849..13989, 13893..13988, 14047..14121		

Seq. No.	42831	Seq. ID	OJ000350_45.0407.C5
Gene No.	89398	Strand	-
Start	20097	End	20821
Name	OJ000350_45.0407.C5.o1.tm	Method	TBLASTX:Maize
Start	14065	End	16236
GI	none	Score	329
Exons	14065..14298, 14065..14283, 14066..14287, 14160..14297, 14379..14471, 14380..14463, 14388..14471, 14396..14506, 14561..14719, 14562..14720, 14564..14722, 14566..14721, 14778..14876, 14810..14869, 14814..14891, 16006..16089, 16009..16089, 16170..16235, 16171..16236, 16173..16235		

Seq. No.	42831	Seq. ID	OJ000350_45.0407.C5
Gene No.	89398	Strand	-
Start	20097	End	20821
Name	OJ000350_45.0407.C5.o3.ts	Method	TBLASTX:Soybean
Start	14260	End	14876
GI	none	Score	39
Exons	14260..14283, 14385..14471, 14396..14470, 14561..14719, 14562..14720, 14666..14722, 14814..14876		

Seq. No.	42831	Seq. ID	OJ000350_45.0407.C5
Gene No.	89398	Strand	-
Start	20097	End	20821
Name	OJ000350_45.0407.C5.o2.tc	Method	TBLASTX:Cress

Start	14385	End	14873
GI	none	Score	104
Exons	14385..14471, 14561..14716, 14562..14720, 14814..14873		

Seq. No.	42831	Seq. ID	OJ000350_45.0407.C5
Gene No.	89398	Strand	-
Start	20097	End	20821
Name	OJ000350_45.0407.C5.o4.ts	Method	TBLASTX:Soybean
Start	16536	End	16931
GI	none	Score	36
Exons	16536..16598, 16689..16799, 16706..16774, 16794..16844, 16806..16853, 16848..16931, 16856..16927		

Seq. No.	42831	Seq. ID	OJ000350_45.0407.C5
Gene No.	89398	Strand	-
Start	20097	End	20821
Name	OJ000350_45.0407.C5.o4.tm	Method	TBLASTX:Maize
Start	16716	End	16943
GI	none	Score	95
Exons	16716..16787, 16720..16788, 16721..16777, 16785..16943, 16792..16941, 16793..16942, 16794..16943		

Seq. No.	42831	Seq. ID	OJ000350_45.0407.C5
Gene No.	89398	Strand	-
Start	20097	End	20821
Name	OJ000350_45.0407.C5.o7.gs	Method	GENSCAN
Start	20097	End	20821
GI	none	Score	.49
Exons	20097..20169, 20736..20821		

Seq. No.	42832	Seq. ID	OJ000350_45.0407.C6
Gene No.	89399	Strand	+
Start	1	End	4481
Name	OJ000350_45.0407.C6.o1.np	Method	AAT/NAP
Start	1	End	1414
GI	4415938	Score	284
Exons	1..93, 173..245, 432..602, 1128..1198, 1316..1414		
GI Descrip.	(AC006418) unknown protein [Arabidopsis thaliana]		

Seq. No.	42832	Seq. ID	OJ000350_45.0407.C6
Gene No.	89399	Strand	+
Start	1	End	4481
Name	OJ000350_45.0407.C6.o1.gp	Method	AAT/GAP
Start	45	End	591
GI	2311460	Score	294
Exons	45..93, 173..230, 347..379, 497..591		

Seq. No.	42832	Seq. ID	OJ000350_45.0407.C6
Gene No.	89399	Strand	+
Start	1	End	4481
Name	OJ000350_45.0407.C6.o1.gs	Method	GENSCAN
Start	173	End	4481
GI	none	Score	.47
Exons	173..230, 497..592, 1031..1198, 1440..1467, 1660..1792, 3299..3400, 3971..4273, 4397..4481		

Seq. No.	42832	Seq. ID	OJ000350_45.0407.C6

Gene No.	89400	Strand	+
Start	5657	End	5977
Name	OJ000350_45.0407.C6.o4.gp	Method	AAT/GAP
Start	5657	End	5977
GI	none	Score	515
Exons	5657..5977		

Seq. No.	42832	Seq. ID	OJ000350_45.0407.C6
Gene No.	89401	Strand	-
Start	2165	End	2448
Name	OJ000350_45.0407.C6.o2.gp	Method	AAT/GAP
Start	2165	End	2448
GI	none	Score	564
Exons	2165..2448		

Seq. No.	42832	Seq. ID	OJ000350_45.0407.C6
Gene No.	89402	Strand	-
Start	4223	End	4666
Name	OJ000350_45.0407.C6.o3.gp	Method	AAT/GAP
Start	4223	End	4666
GI	2312719	Score	575
Exons	4223..4483, 4578..4666		

Seq. No.	42832	Seq. ID	OJ000350_45.0407.C6
Gene No.	89403	Strand	-
Start	5977	End	7860
Name	OJ000350_45.0407.C6.o2.gs	Method	GENSCAN
Start	5977	End	7742
GI	none	Score	.98
Exons	5977..6171, 6345..6391, 6489..6576, 6674..6755, 6860..7016, 7097..7179, 7320..7551, 7628..7742		

Seq. No.	42832	Seq. ID	OJ000350_45.0407.C6
Gene No.	89403	Strand	-
Start	5977	End	7860
Name	OJ000350_45.0407.C6.o2.np	Method	AAT/NAP
Start	5983	End	7742
GI	7487174	Score	883
Exons	5983..6171, 6345..6391, 6489..6576, 6674..6755, 6860..7016, 7097..7179, 7320..7551, 7628..7742		
GI Descrip.	hypothetical protein T19F6.40 - Arabidopsis thaliana gi\|2262111\|gb\|AAB63619.1\| (AC002343) ribitol dehydrogenase isolog [Arabidopsis thaliana] gi\|5668633\|emb\|CAB51648.1\| (AL109619) putative protein [Arabidopsis thaliana] gi\|7269254\|emb\|CAB81323.1\| (AL161560) putative protein [Arabidopsis thaliana]		

Seq. No.	42832	Seq. ID	OJ000350_45.0407.C6
Gene No.	89403	Strand	-
Start	5977	End	7860
Name	OJ000350_45.0407.C6.o5.gp	Method	AAT/GAP
Start	7603	End	7860
GI	uC-osf1M202051d09b1	Score	421
Exons	7603..7860		
GI Descrip.	'5734616/dbj\|AP000391.1\|AP000391 1.0e-09 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	42832	Seq. ID	OJ000350_45.0407.C6
Gene No.	89404	Strand	-
Start	8134	End	8579
Name	OJ000350_45.0407.C6.o6.gp	Method	AAT/GAP
Start	8134	End	8579
GI	59956_1.R1084	Score	853
Exons	8134..8579		
GI Descrip.	'5670155/gb\|AF161269.1\|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	42832	Seq. ID	OJ000350_45.0407.C6
Gene No.	89405	Strand	-
Start	9000	End	9591
Name	OJ000350_45.0407.C6.o2.tc	Method	TBLASTX:Cress
Start	1021	End	1420
GI	none	Score	160
Exons	1021..1200, 1034..1201, 1315..1419, 1316..1420		

Seq. No.	42832	Seq. ID	OJ000350_45.0407.C6
Gene No.	89405	Strand	-
Start	9000	End	9591
Name	OJ000350_45.0407.C6.o3.tc	Method	TBLASTX:Cress
Start	5992	End	6751
GI	none	Score	116
Exons	5992..6174, 6029..6172, 6490..6579, 6491..6574, 6674..6751, 6690..6749		

Seq. No.	42832	Seq. ID	OJ000350_45.0407.C6
Gene No.	89405	Strand	-
Start	9000	End	9591
Name	OJ000350_45.0407.C6.o1.tm	Method	TBLASTX:Maize
Start	6106	End	7158
GI	none	Score	84
Exons	6106..6174, 6107..6172, 6137..6175, 6156..6182, 6239..6262, 6343..6393, 6344..6391, 6346..6393, 6490..6579, 6491..6580, 6512..6595, 6522..6596, 6673..6756, 6673..6750, 6674..6751, 6859..7023, 6860..7024, 7089..7157, 7096..7158		

Seq. No.	42832	Seq. ID	OJ000350_45.0407.C6
Gene No.	89405	Strand	-
Start	9000	End	9591
Name	OJ000350_45.0407.C6.o1.tc	Method	TBLASTX:Cress
Start	7317	End	7745
GI	none	Score	202
Exons	7317..7553, 7319..7552, 7624..7659, 7665..7745, 7666..7722		

Seq. No.	42832	Seq. ID	OJ000350_45.0407.C6
Gene No.	89405	Strand	-
Start	9000	End	9591
Name	OJ000350_45.0407.C6.o1.ts	Method	TBLASTX:Soybean
Start	7317	End	7742
GI	none	Score	128
Exons	7317..7553, 7319..7552, 7656..7742, 7666..7725		

Seq. No.	42832	Seq. ID	OJ000350_45.0407.C6
Gene No.	89405	Strand	-
Start	9000	End	9591

Name	OJ000350_45.0407.C6.o2.tm	Method	TBLASTX:Maize
Start	7448	End	7742
GI	none	Score	142
Exons	7448..7552, 7449..7553, 7623..7742, 7624..7725		

Seq. No.	42832	Seq. ID	OJ000350_45.0407.C6
Gene No.	89405	Strand	-
Start	9000	End	9591
Name	OJ000350_45.0407.C6.o7.gp	Method	AAT/GAP
Start	9000	End	9591
GI	none	Score	1128
Exons	9000..9591		

Seq. No.	42833	Seq. ID	OJ000350_45.0407.C14
Gene No.	89406	Strand	+
Start	2997	End	6258
Name	OJ000350_45.0407.C14.o2.gs	Method	GENSCAN
Start	2997	End	6258
GI	none	Score	.74
Exons	2997..4179, 4259..6258		

Seq. No.	42833	Seq. ID	OJ000350_45.0407.C14
Gene No.	89406	Strand	+
Start	2997	End	6258
Name	OJ000350_45.0407.C14.o2.np	Method	AAT/NAP
Start	2997	End	6255
GI	5803259	Score	5188
Exons	2997..4258, 4356..6255		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	42833	Seq. ID	OJ000350_45.0407.C14
Gene No.	89407	Strand	-
Start	1	End	4001
Name	OJ000350_45.0407.C14.o1.np	Method	AAT/NAP
Start	1	End	4001
GI	6815062	Score	889
Exons	1..331, 417..1270, 3974..4001		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	42833	Seq. ID	OJ000350_45.0407.C14
Gene No.	89407	Strand	-
Start	1	End	4001
Name	OJ000350_45.0407.C14.o1.gs	Method	GENSCAN
Start	8	End	1851
GI	none	Score	.88
Exons	8..17, 123..331, 417..1274, 1361..1531, 1765..1851		

Seq. No.	42833	Seq. ID	OJ000350_45.0407.C14
Gene No.	89408	Strand	-
Start	6266	End	6727
Name	OJ000350_45.0407.C14.o1.gp	Method	AAT/GAP
Start	6266	End	6727
GI	2428323	Score	838
Exons	6266..6727		
GI Descrip.	5803242/dbj\|AP000399.1\|AP000399 0.0e+00 Oryza sativa genomic		

DNA, chromosome 6, clone:P0535G04

Seq. No.	42833	Seq. ID	OJ000350_45.0407.C14
Gene No.	89409	Strand	-
Start	6891	End	10574
Name	OJ000350_45.0407.C14.o5.tm	Method	TBLASTX:Maize
Start	122	End	331
GI	none	Score	103
Exons	122..331, 123..275		

Seq. No.	42833	Seq. ID	OJ000350_45.0407.C14
Gene No.	89409	Strand	-
Start	6891	End	10574
Name	OJ000350_45.0407.C14.o2.tm	Method	TBLASTX:Maize
Start	570	End	1074
GI	none	Score	209
Exons	570..908, 574..879, 654..908, 939..1073, 949..1074		

Seq. No.	42833	Seq. ID	OJ000350_45.0407.C14
Gene No.	89409	Strand	-
Start	6891	End	10574
Name	OJ000350_45.0407.C14.o3.gs	Method	GENSCAN
Start	6891	End	10556
GI	none	Score	1
Exons	6891..10556		

Seq. No.	42833	Seq. ID	OJ000350_45.0407.C14
Gene No.	89409	Strand	-
Start	6891	End	10574
Name	OJ000350_45.0407.C14.o3.np	Method	AAT/NAP
Start	6894	End	10574
GI	7228457	Score	5685
Exons	6894..8444, 8511..9662, 9785..10574		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	42833	Seq. ID	OJ000350_45.0407.C14
Gene No.	89409	Strand	-
Start	6891	End	10574
Name	OJ000350_45.0407.C14.o6.tm	Method	TBLASTX:Maize
Start	6894	End	7034
GI	none	Score	117
Exons	6894..7034, 6895..7029		

Seq. No.	42833	Seq. ID	OJ000350_45.0407.C14
Gene No.	89409	Strand	-
Start	6891	End	10574
Name	OJ000350_45.0407.C14.o5.tw	Method	TBLASTX:Wheat
Start	6903	End	7505
GI	none	Score	81
Exons	6903..7028, 6907..7029, 7195..7365, 7221..7505, 7222..7365, 7402..7500, 7430..7501		

Seq. No.	42833	Seq. ID	OJ000350_45.0407.C14
Gene No.	89409	Strand	-
Start	6891	End	10574

Name	OJ000350_45.0407.C14.o3.tw	Method	TBLASTX:Wheat
Start	7506	End	7887
GI	none	Score	163
Exons	7506..7886, 7537..7782, 7831..7887		

Seq. No.	42833	Seq. ID	OJ000350_45.0407.C14
Gene No.	89409	Strand	-
Start	6891	End	10574
Name	OJ000350_45.0407.C14.o4.tm	Method	TBLASTX:Maize
Start	7701	End	8024
GI	none	Score	182
Exons	7701..8024, 7714..7995		

Seq. No.	42833	Seq. ID	OJ000350_45.0407.C14
Gene No.	89409	Strand	-
Start	6891	End	10574
Name	OJ000350_45.0407.C14.o6.tw	Method	TBLASTX:Wheat
Start	8217	End	8529
GI	none	Score	67
Exons	8217..8477, 8353..8529		

Seq. No.	42833	Seq. ID	OJ000350_45.0407.C14
Gene No.	89409	Strand	-
Start	6891	End	10574
Name	OJ000350_45.0407.C14.o2.ts	Method	TBLASTX:Soybean
Start	8277	End	8843
GI	5666795	Score	68
Exons	8277..8477, 8532..8669, 8745..8843		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	42833	Seq. ID	OJ000350_45.0407.C14
Gene No.	89409	Strand	-
Start	6891	End	10574
Name	OJ000350_45.0407.C14.o4.tw	Method	TBLASTX:Wheat
Start	8532	End	8966
GI	none	Score	85
Exons	8532..8681, 8533..8670, 8535..8672, 8715..8966, 8722..8901, 8769..8951		

Seq. No.	42833	Seq. ID	OJ000350_45.0407.C14
Gene No.	89409	Strand	-
Start	6891	End	10574
Name	OJ000350_45.0407.C14.o1.ts	Method	TBLASTX:Soybean
Start	9591	End	9962
GI	none	Score	90
Exons	9591..9962, 9802..9945		

Seq. No.	42833	Seq. ID	OJ000350_45.0407.C14
Gene No.	89409	Strand	-
Start	6891	End	10574
Name	OJ000350_45.0407.C14.o2.tw	Method	TBLASTX:Wheat
Start	9621	End	10041
GI	none	Score	307
Exons	9621..10040, 9628..10041		

Seq. No.	42833	Seq. ID	OJ000350_45.0407.C14
Gene No.	89409	Strand	-

Start	6891	End	10574
Name	OJ000350_45.0407.C14.o3.tm	Method	TBLASTX:Maize
Start	9714	End	10098
GI	none	Score	231
Exons	9714..10097, 9733..10098		

Seq. No.	42833	Seq. ID	OJ000350_45.0407.C14
Gene No.	89409	Strand	-
Start	6891	End	10574
Name	OJ000350_45.0407.C14.o1.tm	Method	TBLASTX:Maize
Start	10125	End	10481
GI	none	Score	116
Exons	10125..10430, 10125..10481, 10135..10446		

Seq. No.	42833	Seq. ID	OJ000350_45.0407.C14
Gene No.	89409	Strand	-
Start	6891	End	10574
Name	OJ000350_45.0407.C14.o1.tw	Method	TBLASTX:Wheat
Start	10149	End	10574
GI	none	Score	214
Exons	10149..10574, 10155..10571, 10156..10572		

Seq. No.	42833	Seq. ID	OJ000350_45.0407.C14
Gene No.	89409	Strand	-
Start	6891	End	10574
Name	OJ000350_45.0407.C14.o3.ts	Method	TBLASTX:Soybean
Start	10206	End	10571
GI	none	Score	114
Exons	10206..10340, 10347..10571		

Seq. No.	42834	Seq. ID	OJ000350_45.0407.C15
Gene No.	89410	Strand	+
Start	2538	End	5085
Name	OJ000350_45.0407.C15.o2.np	Method	AAT/NAP
Start	2538	End	5085
GI	5922623	Score	174
Exons	2538..2622, 2998..3150, 3318..3392, 5014..5085		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016856\|dbj\|BAA85199.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	42834	Seq. ID	OJ000350_45.0407.C15
Gene No.	89411	Strand	+
Start	5740	End	5902
Name	OJ000350_45.0407.C15.o4.np	Method	AAT/NAP
Start	5740	End	5902
GI	7340920	Score	109
Exons	5740..5902		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	42834	Seq. ID	OJ000350_45.0407.C15
Gene No.	89412	Strand	+
Start	6916	End	7599
Name	OJ000350_45.0407.C15.o2.gs	Method	GENSCAN
Start	6916	End	7599
GI	none	Score	.57
Exons	6916..7155, 7435..7599		

Seq. No.	42834	Seq. ID	OJ000350_45.0407.C15
Gene No.	89413	Strand	+
Start	10056	End	11627
Name	OJ000350_45.0407.C15.o3.gs	Method	GENSCAN
Start	10056	End	11627
GI	none	Score	.89
Exons	10056..11627		

Seq. No.	42834	Seq. ID	OJ000350_45.0407.C15
Gene No.	89413	Strand	+
Start	10056	End	11627
Name	OJ000350_45.0407.C15.o5.np	Method	AAT/NAP
Start	10170	End	11579
GI	4415942	Score	873
Exons	10170..11362, 11404..11579		
GI Descrip.	(AC006418) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42834	Seq. ID	OJ000350_45.0407.C15
Gene No.	89414	Strand	+
Start	11577	End	11895
Name	OJ000350_45.0407.C15.o1.gp	Method	AAT/GAP
Start	11577	End	11895
GI	4716437	Score	593
Exons	11577..11895		

Seq. No.	42834	Seq. ID	OJ000350_45.0407.C15
Gene No.	89415	Strand	+
Start	26263	End	29102
Name	OJ000350_45.0407.C15.o5.gs	Method	GENSCAN
Start	26263	End	29093
GI	none	Score	.69
Exons	26263..26403, 26485..26676, 26694..26843, 26889..26924, 26963..27038, 27149..27275, 28907..29093		

Seq. No.	42834	Seq. ID	OJ000350_45.0407.C15
Gene No.	89415	Strand	+
Start	26263	End	29102
Name	OJ000350_45.0407.C15.o3.gp	Method	AAT/GAP
Start	26607	End	27225
GI	40851_1.R1084	Score	718
Exons	26607..26843, 26963..27038, 27149..27225		
GI Descrip.	'4895215/gb\|AAD32801.1\|AC007660_2 1.0e-15 (AC007660) putative 1-phosphatidylinositol-4,5-biphosphate phosphodiesterase [Arabidopsis thaliana]'		

Seq. No.	42834	Seq. ID	OJ000350_45.0407.C15
Gene No.	89415	Strand	+
Start	26263	End	29102
Name	OJ000350_45.0407.C15.o7.np	Method	AAT/NAP
Start	26730	End	29102
GI	4895215	Score	350
Exons	26730..26843, 26963..27038, 27149..27275, 28907..29102		
GI Descrip.	(AC007660) putative translation initiation factor [Arabidopsis thaliana]		

Seq. No.	42834	Seq. ID	OJ000350_45.0407.C15

Gene No.	89416	Strand	-
Start	1	End	5849
Name	OJ000350_45.0407.C15.o1.np	Method	AAT/NAP
Start	1	End	2460
GI	7228457	Score	3724
Exons	1..33, 97..2032, 2094..2460		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	42834	Seq. ID	OJ000350_45.0407.C15
Gene No.	89416	Strand	-
Start	1	End	5849
Name	OJ000350_45.0407.C15.o1.gs	Method	GENSCAN
Start	34	End	5849
GI	none	Score	.79
Exons	34..2478, 2535..2741, 3661..3751, 3940..4636, 4806..4922, 5513..5849		

Seq. No.	42834	Seq. ID	OJ000350_45.0407.C15
Gene No.	89417	Strand	-
Start	14457	End	26652
Name	OJ000350_45.0407.C15.o1.tw	Method	TBLASTX:Wheat
Start	1	End	676
GI	none	Score	60
Exons	1..102, 7..102, 190..675, 217..411, 221..481, 503..676		

Seq. No.	42834	Seq. ID	OJ000350_45.0407.C15
Gene No.	89417	Strand	-
Start	14457	End	26652
Name	OJ000350_45.0407.C15.o2.tw	Method	TBLASTX:Wheat
Start	1414	End	1966
GI	none	Score	96
Exons	1414..1671, 1448..1687, 1654..1752, 1655..1747, 1759..1806, 1931..1966		

Seq. No.	42834	Seq. ID	OJ000350_45.0407.C15
Gene No.	89417	Strand	-
Start	14457	End	26652
Name	OJ000350_45.0407.C15.o7.tm	Method	TBLASTX:Maize
Start	1516	End	1801
GI	none	Score	107
Exons	1516..1764, 1517..1801		

Seq. No.	42834	Seq. ID	OJ000350_45.0407.C15
Gene No.	89417	Strand	-
Start	14457	End	26652
Name	OJ000350_45.0407.C15.o1.tm	Method	TBLASTX:Maize
Start	10133	End	10643
GI	none	Score	165
Exons	10133..10252, 10149..10253, 10257..10364, 10257..10319, 10371..10442, 10371..10436, 10372..10497, 10385..10438, 10449..10571, 10462..10572, 10500..10604, 10534..10587, 10587..10643		

Seq. No.	42834	Seq. ID	OJ000350_45.0407.C15
Gene No.	89417	Strand	-

Start	14457	End	26652
Name	OJ000350_45.0407.C15.o3.tw	Method	TBLASTX:Wheat
Start	10133	End	10409
GI	none	Score	162
Exons	10133..10252, 10149..10253, 10239..10319, 10257..10364, 10355..10408, 10371..10409		

Seq. No.	42834	Seq. ID	OJ000350_45.0407.C15
Gene No.	89417	Strand	-
Start	14457	End	26652
Name	OJ000350_45.0407.C15.o1.ts	Method	TBLASTX:Soybean
Start	10377	End	11309
GI	none	Score	63
Exons	10377..10442, 10500..10532, 10605..10865, 10613..10696, 10776..10865, 10866..10937, 10980..11309, 10988..11113, 11186..11299		

Seq. No.	42834	Seq. ID	OJ000350_45.0407.C15
Gene No.	89417	Strand	-
Start	14457	End	26652
Name	OJ000350_45.0407.C15.o5.tm	Method	TBLASTX:Maize
Start	10737	End	11012
GI	none	Score	141
Exons	10737..10832, 10775..10828, 10836..10940, 10848..10946, 10944..11012, 10980..11012		

Seq. No.	42834	Seq. ID	OJ000350_45.0407.C15
Gene No.	89417	Strand	-
Start	14457	End	26652
Name	OJ000350_45.0407.C15.o2.tc	Method	TBLASTX:Cress
Start	10983	End	11309
GI	none	Score	333
Exons	10983..11309		

Seq. No.	42834	Seq. ID	OJ000350_45.0407.C15
Gene No.	89417	Strand	-
Start	14457	End	26652
Name	OJ000350_45.0407.C15.o2.tm	Method	TBLASTX:Maize
Start	11015	End	11273
GI	none	Score	323
Exons	11015..11116, 11016..11228, 11183..11218, 11216..11272, 11217..11273		

Seq. No.	42834	Seq. ID	OJ000350_45.0407.C15
Gene No.	89417	Strand	-
Start	14457	End	26652
Name	OJ000350_45.0407.C15.o4.gs	Method	GENSCAN
Start	14457	End	24531
GI	none	Score	.69
Exons	14457..14482, 16293..16348, 17131..17195, 17338..17378, 17453..17504, 18546..18640, 18824..18957, 19723..19744, 20402..20519, 21454..21519, 21893..21961, 23277..23387, 24316..24531		

Seq. No.	42834	Seq. ID	OJ000350_45.0407.C15
Gene No.	89417	Strand	-
Start	14457	End	26652

Name	OJ000350_45.0407.C15.o6.tm	Method	TBLASTX:Maize
Start	15863	End	20718
GI	none	Score	67
Exons	15863..15934, 15966..16040, 16288..16359, 17130..17195, 17131..17211, 17454..17540, 17455..17505, 17608..17712, 17610..17711, 18240..18299, 18240..18299, 18244..18333, 18408..18455, 18408..18455, 18543..18644, 18544..18654, 18545..18646, 18810..18959, 18822..18908, 18823..18909, 18838..18960, 19457..19735, 19461..19664, 19471..19719, 19472..19723, 20396..20521, 20426..20518, 20646..20717, 20646..20717, 20650..20718		

Seq. No.	42834	Seq. ID	OJ000350_45.0407.C15
Gene No.	89417	Strand	-
Start	14457	End	26652
Name	OJ000350_45.0407.C15.o6.np	Method	AAT/NAP
Start	17595	End	26652
GI	7486904	Score	1436
Exons	17595..17703, 18546..18640, 18824..18941, 19462..19695, 20433..20519, 20628..20717, 21439..21519, 21607..21798, 21893..21961, 22421..22502, 22944..22996, 23063..23206, 23277..23531, 24316..24459, 26596..26652		
GI Descrip.	hypothetical protein T12H20.4 - Arabidopsis thaliana gi\|3600036\|gb\|AAC35524.1\| (AF080119) contains similarity to protein kinase domains (Pfam: pkinase.hmm, score: 227.04) [Arabidopsis thaliana]		

Seq. No.	42834	Seq. ID	OJ000350_45.0407.C15
Gene No.	89417	Strand	-
Start	14457	End	26652
Name	OJ000350_45.0407.C15.o3.ts	Method	TBLASTX:Soybean
Start	20643	End	21966
GI	none	Score	83
Exons	20643..20717, 20650..20718, 21457..21486, 21464..21514, 21482..21514, 21607..21780, 21608..21778, 21608..21790, 21861..21965, 21893..21952, 21898..21966, 21898..21963		

Seq. No.	42834	Seq. ID	OJ000350_45.0407.C15
Gene No.	89417	Strand	-
Start	14457	End	26652
Name	OJ000350_45.0407.C15.o3.tm	Method	TBLASTX:Maize
Start	21625	End	23385
GI	none	Score	201
Exons	21625..21780, 21626..21778, 21626..21790, 21627..21779, 21893..21964, 21893..21952, 21897..21962, 21898..21963, 22415..22507, 22422..22505, 22943..22987, 22945..22989, 22950..22988, 23080..23139, 23081..23212, 23082..23207, 23274..23381, 23277..23384, 23299..23385		

Seq. No.	42834	Seq. ID	OJ000350_45.0407.C15
Gene No.	89417	Strand	-
Start	14457	End	26652
Name	OJ000350_45.0407.C15.o1.tc	Method	TBLASTX:Cress
Start	21908	End	23417
GI	none	Score	100
Exons	21908..21952, 22415..22501, 22422..22505, 22422..22517, 22944..22988, 22949..22990, 22949..22987, 23070..23207,		

23081..23209, 23081..23212, 23275..23409, 23277..23417, 23290..23412

Seq. No.	42834	Seq. ID	OJ000350_45.0407.C15
Gene No.	89417	Strand	-
Start	14457	End	26652
Name	OJ000350_45.0407.C15.o2.ts	Method	TBLASTX:Soybean
Start	23084	End	24441
GI	none	Score	125
Exons	23084..23212, 23085..23207, 23277..23531, 23277..23531, 23293..23532, 23293..23532, 24316..24441, 24316..24441		

Seq. No.	42834	Seq. ID	OJ000350_45.0407.C15
Gene No.	89417	Strand	-
Start	14457	End	26652
Name	OJ000350_45.0407.C15.o2.gp	Method	AAT/GAP
Start	24435	End	24660
GI	none	Score	408
Exons	24435..24660		

Seq. No.	42834	Seq. ID	OJ000350_45.0407.C15
Gene No.	89418	Strand	
Start	26729	End	27208
Name	OJ000350_45.0407.C15.o4.tm	Method	TBLASTX:Maize
Start	26729	End	27208
GI	none	Score	78
Exons	26729..26806, 26730..26777, 26744..26845, 26775..26846, 26775..26855, 26960..27037, 26961..27035, 26962..27039, 26963..27046, 27147..27206, 27148..27207, 27149..27208		

Seq. No.	42835	Seq. ID	OJ000350_45.0407.C16
Gene No.	89419	Strand	-
Start	1	End	1378
Name	OJ000350_45.0407.C16.o1.np	Method	AAT/NAP
Start	1	End	1378
GI	4314358	Score	986
Exons	1..74, 186..312, 623..838, 926..1087, 1168..1378		
GI Descrip.	(AC006340) putative kinesin heavy chain [Arabidopsis thaliana]		

Seq. No.	42835	Seq. ID	OJ000350_45.0407.C16
Gene No.	89419	Strand	-
Start	1	End	1378
Name	OJ000350_45.0407.C16.o2.tm	Method	TBLASTX:Maize
Start	2	End	547
GI	none	Score	65
Exons	2..88, 2..73, 3..74, 148..369, 188..352, 189..353, 505..546, 506..547		

Seq. No.	42835	Seq. ID	OJ000350_45.0407.C16
Gene No.	89419	Strand	-
Start	1	End	1378
Name	OJ000350_45.0407.C16.o1.tc	Method	TBLASTX:Cress
Start	163	End	1378
GI	none	Score	69
Exons	163..351, 180..353, 505..546, 506..547, 622..840, 623..769, 913..1089, 1161..1322, 1191..1313, 1310..1378, 1329..1367		

Seq. No.	42835	Seq. ID	OJ000350_45.0407.C16
Gene No.	89419	Strand	-
Start	1	End	1378
Name	OJ000350_45.0407.C16.o1.gs	Method	GENSCAN
Start	186	End	1087
GI	none	Score	.86
Exons	186..349, 507..544, 623..838, 926..1087		

Seq. No.	42835	Seq. ID	OJ000350_45.0407.C16
Gene No.	89419	Strand	-
Start	1	End	1378
Name	OJ000350_45.0407.C16.o2.ts	Method	TBLASTX:Soybean
Start	288	End	840
GI	none	Score	145
Exons	288..353, 505..546, 609..761, 622..840, 623..769		

Seq. No.	42835	Seq. ID	OJ000350_45.0407.C16
Gene No.	89419	Strand	-
Start	1	End	1378
Name	OJ000350_45.0407.C16.o1.tm	Method	TBLASTX:Maize
Start	625	End	1378
GI	none	Score	173
Exons	625..840, 629..790, 913..1089, 917..1090, 1167..1322, 1191..1367, 1202..1366, 1313..1378, 1314..1373		

Seq. No.	42835	Seq. ID	OJ000350_45.0407.C16
Gene No.	89419	Strand	-
Start	1	End	1378
Name	OJ000350_45.0407.C16.o1.ts	Method	TBLASTX:Soybean
Start	949	End	1345
GI	none	Score	140
Exons	949..1089, 953..1090, 1161..1322, 1197..1322, 1313..1345		

Seq. No.	42836	Seq. ID	OJ000350_45.0407.C17
Gene No.	89420	Strand	+
Start	5314	End	5472
Name	OJ000350_45.0407.C17.o2.gs	Method	GENSCAN
Start	5314	End	5472
GI	none	Score	.91
Exons	5314..5472		

Seq. No.	42836	Seq. ID	OJ000350_45.0407.C17
Gene No.	89421	Strand	-
Start	1	End	3524
Name	OJ000350_45.0407.C17.o1.np	Method	AAT/NAP
Start	1	End	3165
GI	4314358	Score	798
Exons	1..136, 250..336, 420..519, 615..724, 806..978, 1044..1125, 1208..1372, 1466..1768, 3073..3165		
GI Descrip.	(AC006340) putative kinesin heavy chain [Arabidopsis thaliana]		

Seq. No.	42836	Seq. ID	OJ000350_45.0407.C17
Gene No.	89421	Strand	-
Start	1	End	3524
Name	OJ000350_45.0407.C17.o1.gs	Method	GENSCAN
Start	20	End	3524
GI	none	Score	.82

Exons	20..136, 250..336, 420..519, 615..724, 806..983, 1055..1128, 1208..1379, 1452..1768, 2614..2866, 3092..3245, 3517..3524		
Seq. No.	42836	Seq. ID	OJ000350_45.0407.C17
Gene No.	89422	Strand	-
Start	5630	End	7111
Name	OJ000350_45.0407.C17.o2.np	Method	AAT/NAP
Start	5630	End	6701
GI	4773907	Score	95
Exons	5630..5732, 6526..6701		
GI Descrip.	(AF074021) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	42836	Seq. ID	OJ000350_45.0407.C17
Gene No.	89422	Strand	-
Start	5630	End	7111
Name	OJ000350_45.0407.C17.o3.gs	Method	GENSCAN
Start	6518	End	7111
GI	none	Score	.98
Exons	6518..7111		
Seq. No.	42836	Seq. ID	OJ000350_45.0407.C17
Gene No.	89423	Strand	-
Start	10030	End	13372
Name	OJ000350_45.0407.C17.o1.ts	Method	TBLASTX:Soybean
Start	3	End	480
GI	none	Score	112
Exons	3..152, 4..138, 248..337, 250..348, 251..337, 421..480		
Seq. No.	42836	Seq. ID	OJ000350_45.0407.C17
Gene No.	89423	Strand	-
Start	10030	End	13372
Name	OJ000350_45.0407.C17.o1.tm	Method	TBLASTX:Maize
Start	6	End	481
GI	none	Score	149
Exons	6..152, 16..138, 248..337, 248..337, 250..339, 421..480, 421..480, 431..481		
Seq. No.	42836	Seq. ID	OJ000350_45.0407.C17
Gene No.	89423	Strand	-
Start	10030	End	13372
Name	OJ000350_45.0407.C17.o2.tm	Method	TBLASTX:Maize
Start	6506	End	6661
GI	none	Score	126
Exons	6506..6607, 6518..6661, 6609..6659		
Seq. No.	42836	Seq. ID	OJ000350_45.0407.C17
Gene No.	89423	Strand	-
Start	10030	End	13372
Name	OJ000350_45.0407.C17.o4.gs	Method	GENSCAN
Start	10030	End	13220
GI	none	Score	.77
Exons	10030..10141, 10553..10736, 11565..11658, 11827..11997, 12135..12254, 12650..12685, 13125..13220		
Seq. No.	42836	Seq. ID	OJ000350_45.0407.C17
Gene No.	89423	Strand	-
Start	10030	End	13372

Name	OJ000350_45.0407.C17.o1.tc	Method	TBLASTX:Cress
Start	11539	End	11944
GI	none	Score	120
Exons	11539..11667, 11552..11668, 11821..11943, 11825..11944		

Seq. No.	42836	Seq. ID	OJ000350_45.0407.C17
Gene No.	89423	Strand	-
Start	10030	End	13372
Name	OJ000350_45.0407.C17.o3.tm	Method	TBLASTX:Maize
Start	11548	End	12204
GI	none	Score	114
Exons	11548..11664, 11552..11659, 11821..11994, 11825..11995, 11825..11998, 11826..12017, 11827..12018, 12123..12203, 12124..12204		

Seq. No.	42836	Seq. ID	OJ000350_45.0407.C17
Gene No.	89423	Strand	-
Start	10030	End	13372
Name	OJ000350_45.0407.C17.o2.ts	Method	TBLASTX:Soybean
Start	11584	End	12000
GI	none	Score	155
Exons	11584..11664, 11821..11994, 11825..11995, 11825..11998, 11826..11999, 11827..12000		

Seq. No.	42836	Seq. ID	OJ000350_45.0407.C17
Gene No.	89423	Strand	-
Start	10030	End	13372
Name	OJ000350_45.0407.C17.o1.gp	Method	AAT/GAP
Start	11936	End	13372
GI	LIB3434-003-P1-K1-C4	Score	643
Exons	11936..11997, 12135..12254, 12650..12685, 13125..13241, 13342..13372		
GI Descrip.	'5803242/dbj\|AP000399.1\|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	42836	Seq. ID	OJ000350_45.0407.C17
Gene No.	89423	Strand	-
Start	10030	End	13372
Name	OJ000350_45.0407.C17.o4.tm	Method	TBLASTX:Maize
Start	12208	End	13372
GI	none	Score	67
Exons	12208..12255, 13122..13241, 13127..13243, 13132..13266, 13334..13372, 13342..13371		

Seq. No.	42837	Seq. ID	OJ000350_45.0407.C18
Gene No.	89424	Strand	-
Start	136	End	379
Name	OJ000350_45.0407.C18.o1.gs	Method	GENSCAN
Start	136	End	379
GI	none	Score	.76
Exons	136..165, 329..379		

Seq. No.	42838	Seq. ID	OJ000350_44.0406.C1
Gene No.	89425	Strand	+
Start	1	End	848
Name	OJ000350_44.0406.C1.o1.np	Method	AAT/NAP
Start	1	End	848

GI	6815104	Score	509
Exons	1..26, 435..848		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	42838	Seq. ID	OJ000350_44.0406.C1
Gene No.	89426	Strand	-
Start	607	End	714
Name	OJ000350_44.0406.C1.o1.gs	Method	GENSCAN
Start	607	End	714
GI	none	Score	.43
Exons	607..714		

Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89427	Strand	+
Start	3010	End	7710
Name	OJ000350_44.0406.C2.o2.gp	Method	AAT/GAP
Start	2827	End	5366
GI	12693_1.R1084	Score	862
Exons	2827..2867, 2986..3106, 5058..5366		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89427	Strand	+
Start	3010	End	7710
Name	OJ000350_44.0406.C2.o2.gs	Method	GENSCAN
Start	3010	End	5191
GI	none	Score	.93
Exons	3010..3106, 3198..3275, 5058..5191		

Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89427	Strand	+
Start	3010	End	7710
Name	OJ000350_44.0406.C2.o2.np	Method	AAT/NAP
Start	3010	End	5188
GI	6815105	Score	490
Exons	3010..3106, 3198..3275, 5058..5188		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89427	Strand	+
Start	3010	End	7710
Name	OJ000350_44.0406.C2.o3.np	Method	AAT/NAP
Start	4883	End	7710
GI	6815104	Score	1475
Exons	4883..4906, 6353..6943, 7018..7168, 7336..7494, 7676..7710		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89428	Strand	+
Start	10447	End	14568
Name	OJ000350_44.0406.C2.o4.gs	Method	GENSCAN
Start	10447	End	14464
GI	none	Score	.69
Exons	10447..10965, 12158..12367, 13349..13488, 13585..13682, 14008..14121, 14265..14464		

Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89428	Strand	+
Start	10447	End	14568
Name	OJ000350_44.0406.C2.o4.np	Method	AAT/NAP
Start	10447	End	14461
GI	6815103	Score	2065
Exons	10447..10965, 12158..12367, 13349..13488, 13585..13682, 14008..14121, 14265..14461		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89428	Strand	+
Start	10447	End	14568
Name	OJ000350_44.0406.C2.o4.gp	Method	AAT/GAP
Start	12166	End	12371
GI	none	Score	347
Exons	12166..12371		

Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89428	Strand	+
Start	10447	End	14568
Name	OJ000350_44.0406.C2.o5.gp	Method	AAT/GAP
Start	12331	End	14568
GI	6075_1.R1084	Score	1288
Exons	12331..12367, 13349..13488, 13585..13682, 14050..14174, 14265..14568		
GI Descrip.	'6015437/dbj\|AB008112.1\|AB008112 1.0e-08 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89429	Strand	+
Start	15570	End	16347
Name	OJ000350_44.0406.C2.o5.gs	Method	GENSCAN
Start	15570	End	16347
GI	none	Score	.87
Exons	15570..15840, 15959..16347		

Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89429	Strand	+
Start	15570	End	16347
Name	OJ000350_44.0406.C2.o5.np	Method	AAT/NAP
Start	15570	End	16344
GI	6815102	Score	1109
Exons	15570..15840, 15959..16344		
GI Descrip.	(AP001081) Similar to mavicyanin (P80728) [Oryza sativa]		

Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89430	Strand	+
Start	22612	End	23912
Name	OJ000350_44.0406.C2.o7.gs	Method	GENSCAN
Start	22612	End	23912
GI	none	Score	.7
Exons	22612..22641, 22784..22888, 23802..23912		

Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89430	Strand	+
Start	22612	End	23912

Name	OJ000350_44.0406.C2.o7.np	Method	AAT/NAP
Start	22612	End	23909
GI	6815100	Score	430
Exons	22612..22641, 22784..22888, 23646..23769, 23858..23909		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89431	Strand	+
Start	24441	End	25061
Name	OJ000350_44.0406.C2.o8.gs	Method	GENSCAN
Start	24441	End	25061
GI	none	Score	.85
Exons	24441..24447, 24599..24630, 24712..24776, 24860..25061		

Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89431	Strand	+
Start	24441	End	25061
Name	OJ000350_44.0406.C2.o8.np	Method	AAT/NAP
Start	24592	End	25058
GI	6815099	Score	469
Exons	24592..24630, 24712..24776, 24860..25058		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89432	Strand	+
Start	26752	End	27102
Name	OJ000350_44.0406.C2.o9.gs	Method	GENSCAN
Start	26752	End	27102
GI	none	Score	.99
Exons	26752..27102		

Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89432	Strand	+
Start	26752	End	27102
Name	OJ000350_44.0406.C2.o9.np	Method	AAT/NAP
Start	26752	End	27099
GI	6815098	Score	600
Exons	26752..27099		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89433	Strand	-
Start	683	End	1569
Name	OJ000350_44.0406.C2.o1.gp	Method	AAT/GAP
Start	526	End	970
GI	84661_1.R1084	Score	846
Exons	526..970		
GI Descrip.	'3915189/sp\|P56616\|UBCB_XENLA 8.0e-29 UBIQUITIN-CONJUGATING ENZYME X (UBIQUITIN-PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN)'		

Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89433	Strand	-
Start	683	End	1569
Name	OJ000350_44.0406.C2.o1.gs	Method	GENSCAN
Start	683	End	1569
GI	none	Score	.59
Exons	683..1303, 1534..1569		

Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89433	Strand	-
Start	683	End	1569
Name	OJ000350_44.0406.C2.o1.np	Method	AAT/NAP
Start	686	End	1254
GI	6815106	Score	950
Exons	686..1254		
GI Descrip.	(AP001081) EST AU029921(E50230) corresponds to a region of the predicted gene.; Similar to PDB ID: 1U9B: MOL_ID: 1; MOLECULE: ubiquitin conjugating enzyme [Oryza sativa]		

Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89434	Strand	-
Start	17424	End	21665
Name	OJ000350_44.0406.C2.o6.gs	Method	GENSCAN
Start	17424	End	21665
GI	none	Score	.72
Exons	17424..17456, 17545..17591, 17953..18140, 20554..20621, 21234..21665		

Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89434	Strand	-
Start	17424	End	21665
Name	OJ000350_44.0406.C2.o6.np	Method	AAT/NAP
Start	17427	End	21665
GI	6815101	Score	1233
Exons	17427..17456, 17545..17591, 17953..18140, 20554..20621, 21234..21665		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89434	Strand	-
Start	17424	End	21665
Name	OJ000350_44.0406.C2.o6.gp	Method	AAT/GAP
Start	17435	End	19907
GI	LIB3477-004-P1-K1-C6	Score	832
Exons	17435..17591, 19215..19329, 19479..19549, 19667..19736, 19829..19907		
GI Descrip.	'4567251/gb\|AAD23665.1\|AC007070_14 2.0e-35 (AC007070) unknown protein [Arabidopsis thaliana]'		

Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89435	Strand	-
Start	27453	End	28026
Name	OJ000350_44.0406.C2.o1.tm	Method	TBLASTX:Maize
Start	680	End	1139
GI	none	Score	378
Exons	680..955, 684..956, 840..956, 960..1055, 976..1056, 1005..1076, 1031..1075, 1076..1138, 1077..1139		

Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89435	Strand	-
Start	27453	End	28026
Name	OJ000350_44.0406.C2.o1.tc	Method	TBLASTX:Cress
Start	692	End	869
GI	none	Score	166

Exons	692..868, 693..869		
Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89435	Strand	-
Start	27453	End	28026
Name	OJ000350_44.0406.C2.o1.tw	Method	TBLASTX:Wheat
Start	740	End	1055
GI	none	Score	120
Exons	740..955, 765..956, 978..1055		
Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89435	Strand	-
Start	27453	End	28026
Name	OJ000350_44.0406.C2.o1.ts	Method	TBLASTX:Soybean
Start	846	End	1126
GI	none	Score	121
Exons	846..956, 848..955, 849..965, 960..1055, 976..1056, 1076..1126		
Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89435	Strand	-
Start	27453	End	28026
Name	OJ000350_44.0406.C2.o3.ts	Method	TBLASTX:Soybean
Start	10627	End	14165
GI	none	Score	113
Exons	10627..10755, 10846..10881, 10894..10965, 12037..12060, 12143..12370, 12157..12267, 13346..13429, 13579..13677, 13580..13681, 14043..14165, 14049..14153		
Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89435	Strand	-
Start	27453	End	28026
Name	OJ000350_44.0406.C2.o4.tm	Method	TBLASTX:Maize
Start	10921	End	12367
GI	none	Score	74
Exons	10921..10968, 11948..12058, 11998..12060, 11999..12058, 12141..12269, 12143..12271, 12157..12267, 12239..12367, 12263..12364, 12273..12365		
Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89435	Strand	-
Start	27453	End	28026
Name	OJ000350_44.0406.C2.o2.tm	Method	TBLASTX:Maize
Start	13298	End	14357
GI	none	Score	152
Exons	13298..13465, 13346..13483, 13348..13488, 13582..13680, 13583..13681, 13584..13682, 14043..14171, 14045..14170, 14047..14172, 14047..14172, 14259..14357, 14282..14356, 14283..14357		
Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89435	Strand	-
Start	27453	End	28026
Name	OJ000350_44.0406.C2.o2.ts	Method	TBLASTX:Soybean
Start	17541	End	21510
GI	none	Score	107
Exons	17541..17591, 19210..19359, 19214..19330, 19276..19332, 19479..19523, 19526..19555, 19667..19750, 19668..19739,		

19823..19915, 19826..19915, 19828..19920, 19828..19920,
20096..20233, 20098..20226, 20233..20295, 20233..20295,
20554..20622, 20577..20624, 21237..21380, 21238..21336,
21357..21440, 21367..21510

Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89435	Strand	-
Start	27453	End	28026
Name	OJ000350_44.0406.C2.o3.tc	Method	TBLASTX:Cress
Start	17541	End	20295
GI	none	Score	83

Exons 17541..17591, 19188..19331, 19213..19359, 19214..19330,
19276..19332, 19479..19526, 19526..19555, 19667..19735,
19667..19750, 19697..19735, 19823..19915, 19826..19915,
19828..19920, 19828..19920, 20096..20233, 20098..20226,
20210..20293, 20233..20295

Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89435	Strand	-
Start	27453	End	28026
Name	OJ000350_44.0406.C2.o5.tm	Method	TBLASTX:Maize
Start	19126	End	19526
GI	none	Score	211

Exons 19126..19335, 19128..19334, 19270..19335, 19397..19477,
19457..19525, 19462..19524, 19464..19526

Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89435	Strand	-
Start	27453	End	28026
Name	OJ000350_44.0406.C2.o3.tm	Method	TBLASTX:Maize
Start	19852	End	21441
GI	none	Score	70

Exons 19852..19923, 19852..19923, 19856..19924, 20098..20235,
20099..20236, 20221..20295, 20222..20296, 20530..20622,
20552..20623, 20577..20624, 21237..21344, 21238..21345,
21331..21441, 21348..21440

Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89435	Strand	-
Start	27453	End	28026
Name	OJ000350_44.0406.C2.o2.tc	Method	TBLASTX:Cress
Start	20554	End	21441
GI	none	Score	62

Exons 20554..20622, 20577..20624, 21237..21344, 21238..21345,
21331..21441, 21348..21440

Seq. No.	42839	Seq. ID	OJ000350_44.0406.C2
Gene No.	89435	Strand	-
Start	27453	End	28026
Name	OJ000350_44.0406.C2.o10.gs	Method	GENSCAN
Start	27453	End	28026
GI	none	Score	.7

Exons 27453..27472, 27658..27771, 27917..28026

Seq. No.	42840	Seq. ID	OJ000350_44.0406.C3
Gene No.	89436	Strand	+
Start	211	End	330

Name	OJ000350_44.0406.C3.o1.gs	Method	GENSCAN
Start	211	End	330
GI	none	Score	.6
Exons	211..330		

Seq. No.	42840	Seq. ID	OJ000350_44.0406.C3
Gene No.	89437	Strand	+
Start	6773	End	8735
Name	OJ000350_44.0406.C3.o2.np	Method	AAT/NAP
Start	6773	End	7375
GI	6815096	Score	742
Exons	6773..6897, 6968..7077, 7143..7375		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	42840	Seq. ID	OJ000350_44.0406.C3
Gene No.	89437	Strand	+
Start	6773	End	8735
Name	OJ000350_44.0406.C3.o4.gs	Method	GENSCAN
Start	6773	End	8735
GI	none	Score	.65
Exons	6773..6897, 6968..7077, 7143..7345, 7357..7551, 8577..8735		

Seq. No.	42840	Seq. ID	OJ000350_44.0406.C3
Gene No.	89438	Strand	-
Start	1315	End	5981
Name	OJ000350_44.0406.C3.o1.np	Method	AAT/NAP
Start	1315	End	5981
GI	6815097	Score	6868
Exons	1315..1680, 1706..2082, 2222..3951, 3983..4575, 5085..5981		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	42840	Seq. ID	OJ000350_44.0406.C3
Gene No.	89438	Strand	-
Start	1315	End	5981
Name	OJ000350_44.0406.C3.o1.tm	Method	TBLASTX:Maize
Start	1483	End	1843
GI	none	Score	158
Exons	1483..1671, 1484..1666, 1695..1808, 1697..1807, 1700..1843, 1799..1837		

Seq. No.	42840	Seq. ID	OJ000350_44.0406.C3
Gene No.	89438	Strand	-
Start	1315	End	5981
Name	OJ000350_44.0406.C3.o2.ts	Method	TBLASTX:Soybean
Start	1694	End	2101
GI	none	Score	107
Exons	1694..1825, 1919..2101		

Seq. No.	42840	Seq. ID	OJ000350_44.0406.C3
Gene No.	89438	Strand	-
Start	1315	End	5981
Name	OJ000350_44.0406.C3.o1.tw	Method	TBLASTX:Wheat
Start	1796	End	2597
GI	none	Score	92
Exons	1796..1876, 2241..2327, 2355..2597, 2371..2577		

Seq. No.	42840	Seq. ID	OJ000350_44.0406.C3
Gene No.	89438	Strand	-
Start	1315	End	5981
Name	OJ000350_44.0406.C3.o2.tm	Method	TBLASTX:Maize
Start	2138	End	2588
GI	none	Score	150
Exons	2138..2224, 2241..2327, 2364..2588		

Seq. No.	42840	Seq. ID	OJ000350_44.0406.C3
Gene No.	89438	Strand	-
Start	1315	End	5981
Name	OJ000350_44.0406.C3.o1.ts	Method	TBLASTX:Soybean
Start	2256	End	2654
GI	5509260	Score	70
Exons	2256..2327, 2352..2654, 2506..2634		
GI Descrip.	-		

Seq. No.	42840	Seq. ID	OJ000350_44.0406.C3
Gene No.	89438	Strand	-
Start	1315	End	5981
Name	OJ000350_44.0406.C3.o3.gs	Method	GENSCAN
Start	4962	End	5981
GI	none	Score	1
Exons	4962..5981		

Seq. No.	42840	Seq. ID	OJ000350_44.0406.C3
Gene No.	89438	Strand	-
Start	1315	End	5981
Name	OJ000350_44.0406.C3.o1.tc	Method	TBLASTX:Cress
Start	5625	End	5882
GI	none	Score	210
Exons	5625..5882		

Seq. No.	42841	Seq. ID	OJ000350_44.0406.C4
Gene No.	89439	Strand	-
Start	1	End	1924
Name	OJ000350_44.0406.C4.o1.np	Method	AAT/NAP
Start	1	End	1924
GI	6063557	Score	237
Exons	1..41, 712..858, 1107..1144, 1729..1924		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	42841	Seq. ID	OJ000350_44.0406.C4
Gene No.	89439	Strand	-
Start	1	End	1924
Name	OJ000350_44.0406.C4.o1.gs	Method	GENSCAN
Start	1103	End	1896
GI	none	Score	.58
Exons	1103..1242, 1307..1450, 1608..1896		

Seq. No.	42842	Seq. ID	OJ000350_44.0406.C5
Gene No.	89440	Strand	+
Start	71	End	159
Name	OJ000350_44.0406.C5.o1.gp	Method	AAT/GAP
Start	71	End	159
GI	LIB3477-003-P1-K1-E9	Score	107
Exons	71..159		

GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	42842	Seq. ID	OJ000350_44.0406.C5
Gene No.	89441	Strand	-
Start	1318	End	1709
Name	OJ000350_44.0406.C5.o1.gs	Method	GENSCAN
Start	1318	End	1709
GI	none	Score	.42
Exons	1318..1709		
Seq. No.	42843	Seq. ID	OJ000350_44.0406.C6
Gene No.	89442	Strand	+
Start	4394	End	5748
Name	OJ000350_44.0406.C6.o1.np	Method	AAT/NAP
Start	4394	End	5748
GI	6815094	Score	921
Exons	4394..4415, 4597..4726, 5284..5565, 5601..5748		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	42843	Seq. ID	OJ000350_44.0406.C6
Gene No.	89443	Strand	+
Start	6502	End	8685
Name	OJ000350_44.0406.C6.o1.gp	Method	AAT/GAP
Start	6329	End	8685
GI	uC-osflcyp177g02b1	Score	923
Exons	6329..6528, 6647..6699, 8421..8685		
GI Descrip.	'4678933/emb\|CAB41324.1\| 5.0e-20 (AL049711) putative protein [Arabidopsis thaliana]'		
Seq. No.	42843	Seq. ID	OJ000350_44.0406.C6
Gene No.	89443	Strand	+
Start	6502	End	8685
Name	OJ000350_44.0406.C6.o2.np	Method	AAT/NAP
Start	6438	End	8534
GI	6815093	Score	387
Exons	6438..6528, 6647..6699, 8421..8534		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	42843	Seq. ID	OJ000350_44.0406.C6
Gene No.	89443	Strand	+
Start	6502	End	8685
Name	OJ000350_44.0406.C6.o2.gs	Method	GENSCAN
Start	6502	End	8537
GI	none	Score	.9
Exons	6502..6699, 8421..8537		
Seq. No.	42843	Seq. ID	OJ000350_44.0406.C6
Gene No.	89444	Strand	+
Start	9297	End	10037
Name	OJ000350_44.0406.C6.o3.np	Method	AAT/NAP
Start	9297	End	10037
GI	6815092	Score	418
Exons	9297..9404, 9879..10037		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	42843	Seq. ID	OJ000350_44.0406.C6
Gene No.	89445	Strand	+
Start	12476	End	12792
Name	OJ000350_44.0406.C6.o2.gp	Method	AAT/GAP
Start	12476	End	12792
GI	uC-osroM202027a08a1	Score	630
Exons	12476..12792		
GI Descrip.	'5091496/dbj\|AB023482.2\|AB023482 6.0e-46 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	42843	Seq. ID	OJ000350_44.0406.C6
Gene No.	89446	Strand	+
Start	19767	End	23640
Name	OJ000350_44.0406.C6.o5.gs	Method	GENSCAN
Start	19767	End	23640
GI	none	Score	.82
Exons	19767..19958, 20049..20252, 20638..20693, 21785..21911, 22108..22230, 23372..23485, 23569..23640		

Seq. No.	42843	Seq. ID	OJ000350_44.0406.C6
Gene No.	89446	Strand	+
Start	19767	End	23640
Name	OJ000350_44.0406.C6.o5.np	Method	AAT/NAP
Start	19767	End	21932
GI	6815090	Score	911
Exons	19767..19958, 20049..20252, 20638..20693, 21785..21932		
GI Descrip.	(AP001081) EST C25399(S6256) corresponds to a region of the predicted gene.; Similar to Clp proteinase like protein (Z97342) [Oryza sativa]		

Seq. No.	42843	Seq. ID	OJ000350_44.0406.C6
Gene No.	89446	Strand	+
Start	19767	End	23640
Name	OJ000350_44.0406.C6.o5.gp	Method	AAT/GAP
Start	20079	End	23485
GI	36732_1.R1084	Score	1011
Exons	20079..20252, 20638..20693, 21785..21911, 22153..22230, 23372..23485		
GI Descrip.	'2245061/emb\|CAB10484.1\| 1.0e-37 (Z97342) Clp proteinase like protein [Arabidopsis thaliana]'		

Seq. No.	42843	Seq. ID	OJ000350_44.0406.C6
Gene No.	89447	Strand	-
Start	9008	End	10681
Name	OJ000350_44.0406.C6.o3.gs	Method	GENSCAN
Start	9008	End	10681
GI	none	Score	.61
Exons	9008..9028, 9265..9395, 9450..9539, 9651..9761, 10630..10681		

Seq. No.	42843	Seq. ID	OJ000350_44.0406.C6
Gene No.	89448	Strand	-
Start	12587	End	17747
Name	OJ000350_44.0406.C6.o4.tm	Method	TBLASTX:Maize
Start	6401	End	8533
GI	none	Score	124
Exons	6401..6514, 6434..6529, 6435..6545, 6470..6535, 6487..6540, 6637..6702, 6639..6704, 6645..6686, 6646..6699, 8410..8511,		

8412..8531, 8418..8519, 8420..8533

Seq. No.	42843	Seq. ID	OJ000350_44.0406.C6
Gene No.	89448	Strand	-
Start	12587	End	17747
Name	OJ000350_44.0406.C6.o4.ts	Method	TBLASTX:Soybean
Start	12463	End	13453
GI	none	Score	86
Exons	12463..12519, 12577..12702, 12599..12874, 12600..12701, 12747..12869, 13315..13446, 13340..13453		

Seq. No.	42843	Seq. ID	OJ000350_44.0406.C6
Gene No.	89448	Strand	-
Start	12587	End	17747
Name	OJ000350_44.0406.C6.o4.gs	Method	GENSCAN
Start	12587	End	17747
GI	none	Score	.75
Exons	12587..12895, 13330..13447, 13632..13753, 14365..14427, 14512..14744, 15421..15623, 16252..16415, 16498..16621, 17185..17301, 17689..17747		

Seq. No.	42843	Seq. ID	OJ000350_44.0406.C6
Gene No.	89448	Strand	-
Start	12587	End	17747
Name	OJ000350_44.0406.C6.o4.np	Method	AAT/NAP
Start	12590	End	16611
GI	6815091	Score	2157
Exons	12590..12895, 13330..13447, 13632..13753, 14233..14289, 14365..14427, 14512..14744, 15421..15623, 16252..16415, 16498..16611		
GI Descrip.	(AP001081) ESTs C28508(C61374),AU082215(C61374) correspond to a region of the predicted gene.; Similar to putative ubiquitin activating enzyme E1 (AF051135) [Oryza sativa]		

Seq. No.	42843	Seq. ID	OJ000350_44.0406.C6
Gene No.	89448	Strand	-
Start	12587	End	17747
Name	OJ000350_44.0406.C6.o1.tm	Method	TBLASTX:Maize
Start	12599	End	15471
GI	none	Score	314
Exons	12599..12868, 12600..12866, 13316..13453, 13330..13446, 13629..13757, 13631..13756, 14231..14290, 14233..14292, 14237..14290, 14244..14294, 14361..14429, 14362..14430, 14365..14427, 14481..14714, 14509..14745, 14510..14692, 14512..14745, 15421..15471, 15422..15469		

Seq. No.	42843	Seq. ID	OJ000350_44.0406.C6
Gene No.	89448	Strand	-
Start	12587	End	17747
Name	OJ000350_44.0406.C6.o1.tc	Method	TBLASTX:Cress
Start	12686	End	16566
GI	none	Score	100
Exons	12686..12871, 12715..12879, 12738..12869, 13316..13453, 13330..13446, 13629..13757, 13631..13756, 14233..14292, 14237..14290, 14353..14427, 14364..14429, 14365..14427, 14509..14745, 14510..14692, 14518..14745, 15422..15628, 15423..15611, 15431..15634, 16252..16344, 16281..16343,		

16338..16415, 16495..16566

Seq. No.	42843	Seq. ID	OJ000350_44.0406.C6
Gene No.	89448	Strand	-
Start	12587	End	17747
Name	OJ000350_44.0406.C6.o3.gp	Method	AAT/GAP
Start	13400	End	14746
GI	3445014	Score	800
Exons	13400..13442, 13628..13753, 14233..14289, 14365..14427, 14512..14746		
GI Descrip.	2952433 3.0e-48 (AF051135) putative ubiquitin activating enzyme E1 [Arabidopsis thaliana]		

Seq. No.	42843	Seq. ID	OJ000350_44.0406.C6
Gene No.	89448	Strand	-
Start	12587	End	17747
Name	OJ000350_44.0406.C6.o1.ts	Method	TBLASTX:Soybean
Start	13685	End	14745
GI	none	Score	89
Exons	13685..13756, 13686..13754, 13691..13756, 14233..14292, 14234..14290, 14362..14430, 14365..14427, 14509..14745, 14510..14692, 14512..14745		

Seq. No.	42843	Seq. ID	OJ000350_44.0406.C6
Gene No.	89448	Strand	-
Start	12587	End	17747
Name	OJ000350_44.0406.C6.o3.ts	Method	TBLASTX:Soybean
Start	15440	End	16572
GI	none	Score	112
Exons	15440..15628, 15444..15611, 16501..16572		

Seq. No.	42843	Seq. ID	OJ000350_44.0406.C6
Gene No.	89448	Strand	-
Start	12587	End	17747
Name	OJ000350_44.0406.C6.o2.tm	Method	TBLASTX:Maize
Start	15473	End	16572
GI	none	Score	89
Exons	15473..15628, 15475..15561, 15485..15622, 15486..15629, 16252..16344, 16281..16343, 16317..16472, 16486..16572, 16499..16555		

Seq. No.	42843	Seq. ID	OJ000350_44.0406.C6
Gene No.	89448	Strand	-
Start	12587	End	17747
Name	OJ000350_44.0406.C6.o4.gp	Method	AAT/GAP
Start	15527	End	16687
GI	73146_1.R1084	Score	780
Exons	15527..15625, 16253..16415, 16498..16687		
GI Descrip.	'2952433 2.0e-21 (AF051135) putative ubiquitin activating enzyme E1 [Arabidopsis thaliana]'		

Seq. No.	42843	Seq. ID	OJ000350_44.0406.C6
Gene No.	89449	Strand	
Start	20048	End	23642
Name	OJ000350_44.0406.C6.o2.tc	Method	TBLASTX:Cress
Start	20048	End	20691
GI	none	Score	300

Exons	20048..20251, 20049..20252, 20632..20691, 20637..20690		
Seq. No.	42843	Seq. ID	OJ000350_44.0406.C6
Gene No.	89449	Strand	
Start	20048	End	23642
Name	OJ000350_44.0406.C6.o2.ts	Method	TBLASTX:Soybean
Start	20048	End	23640
GI	none	Score	316
Exons	20048..20251, 20049..20252, 20632..20694, 20640..20696, 21782..21916, 21784..21906, 22016..22063, 22150..22233, 22150..22227, 23372..23482, 23374..23487, 23566..23640, 23568..23621		
Seq. No.	42843	Seq. ID	OJ000350_44.0406.C6
Gene No.	89449	Strand	
Start	20048	End	23642
Name	OJ000350_44.0406.C6.o3.tm	Method	TBLASTX:Maize
Start	21827	End	23642
GI	none	Score	93
Exons	21827..21919, 21829..21906, 22149..22232, 22150..22233, 23354..23482, 23373..23489, 23374..23499, 23374..23487, 23566..23640, 23566..23640, 23568..23642, 23568..23642		
Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7
Gene No.	89450	Strand	+
Start	1	End	3011
Name	OJ000350_44.0406.C7.o1.np	Method	AAT/NAP
Start	1	End	2940
GI	6815089	Score	3281
Exons	1..39, 135..288, 375..1450, 1544..2008, 2725..2940		
GI Descrip.	(AP001081) Similar to glutamyl-tRNA synthetase (AF067773) [Oryza sativa]		
Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7
Gene No.	89450	Strand	+
Start	1	End	3011
Name	OJ000350_44.0406.C7.o1.gs	Method	GENSCAN
Start	135	End	3011
GI	none	Score	.64
Exons	135..288, 375..1450, 1544..1802, 1980..2008, 2725..2858, 2915..3011		
Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7
Gene No.	89451	Strand	+
Start	7135	End	8688
Name	OJ000350_44.0406.C7.o3.gs	Method	GENSCAN
Start	7135	End	8688
GI	none	Score	.97
Exons	7135..7226, 7382..7525, 7707..8688		
Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7
Gene No.	89452	Strand	+
Start	8845	End	18236
Name	OJ000350_44.0406.C7.o4.gs	Method	GENSCAN
Start	8845	End	18236
GI	none	Score	.55
Exons	8845..9276, 9297..9435, 9493..10877, 10911..11115, 11260..13066,		

13678..13747, 13965..14171, 14228..15422, 15617..15771,
15823..15999, 16020..16232, 16281..16782, 16948..17075,
17191..17295, 17435..17517, 17535..17694, 17780..17811,
17883..17961, 18078..18236

Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7
Gene No.	89452	Strand	+
Start	8845	End	18236
Name	OJ000350_44.0406.C7.o3.np	Method	AAT/NAP
Start	10974	End	16832
GI	5902445	Score	3001
Exons	10974..12809, 12849..13070, 15801..16832		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7
Gene No.	89453	Strand	+
Start	21512	End	21666
Name	OJ000350_44.0406.C7.o5.np	Method	AAT/NAP
Start	21512	End	21666
GI	6721560	Score	195
Exons	21512..21666		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815085\|dbj\|BAA90371.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7
Gene No.	89454	Strand	-
Start	3478	End	6207
Name	OJ000350_44.0406.C7.o1.gp	Method	AAT/GAP
Start	3266	End	4279
GI	none	Score	789
Exons	3266..3617, 4192..4279		

Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7
Gene No.	89454	Strand	-
Start	3478	End	6207
Name	OJ000350_44.0406.C7.o2.gs	Method	GENSCAN
Start	3478	End	6060
GI	none	Score	.74
Exons	3478..3617, 5071..5326, 5753..5890, 5965..6060		

Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7
Gene No.	89454	Strand	-
Start	3478	End	6207
Name	OJ000350_44.0406.C7.o2.np	Method	AAT/NAP
Start	3481	End	6060
GI	6721563	Score	1061
Exons	3481..3617, 4192..4263, 5071..5326, 5753..5890, 5965..6060		
GI Descrip.	(AP001073) ESTs C91695(E31262),D40183(S1971) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815088\|dbj\|BAA90374.1\| (AP001081) ESTs C91695(E31262),D40183(S1971) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7
Gene No.	89454	Strand	-
Start	3478	End	6207

Name	OJ000350_44.0406.C7.o2.gp	Method	AAT/GAP
Start	5805	End	6144
GI	3061063	Score	373
Exons	5805..5890, 5965..5998, 6035..6144		

Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7
Gene No.	89454	Strand	-
Start	3478	End	6207
Name	OJ000350_44.0406.C7.o3.gp	Method	AAT/GAP
Start	6025	End	6207
GI	none	Score	342
Exons	6025..6207		

Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7
Gene No.	89455	Strand	-
Start	18324	End	20763
Name	OJ000350_44.0406.C7.o1.tc	Method	TBLASTX:Cress
Start	138	End	2922
GI	none	Score	170
Exons	138..290, 152..292, 373..522, 374..523, 562..1233, 572..1450, 572..1450, 1135..1452, 1481..1735, 1511..1753, 1543..1743, 1708..1854, 1736..1852, 1751..1864, 1853..2011, 1906..2010, 2720..2917, 2722..2922, 2722..2922		

Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7
Gene No.	89455	Strand	-
Start	18324	End	20763
Name	OJ000350_44.0406.C7.o1.ts	Method	TBLASTX:Soybean
Start	138	End	2943
GI	none	Score	169
Exons	138..293, 152..289, 373..441, 374..466, 446..541, 574..1242, 575..1450, 575..1450, 793..1467, 1511..1855, 1543..1851, 1555..1857, 1853..2011, 1906..2010, 2722..2943, 2760..2942		

Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7
Gene No.	89455	Strand	-
Start	18324	End	20763
Name	OJ000350_44.0406.C7.o2.tm	Method	TBLASTX:Maize
Start	218	End	889
GI	none	Score	102
Exons	218..292, 219..290, 229..297, 229..297, 373..447, 374..448, 383..448, 449..556, 493..555, 537..788, 557..787, 565..795, 566..796, 742..885, 776..889, 791..889		

Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7
Gene No.	89455	Strand	-
Start	18324	End	20763
Name	OJ000350_44.0406.C7.o3.tm	Method	TBLASTX:Maize
Start	923	End	1174
GI	none	Score	455
Exons	923..1174, 923..1171, 928..1173		

Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7
Gene No.	89455	Strand	-
Start	18324	End	20763
Name	OJ000350_44.0406.C7.o1.tm	Method	TBLASTX:Maize
Start	1174	End	2947

GI	none	Score	464
Exons	1174..1245, 1175..1450, 1175..1450, 1481..2008, 1511..2011, 1543..2010, 2722..2931, 2729..2947, 2760..2924		

Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7
Gene No.	89455	Strand	-
Start	18324	End	20763
Name	OJ000350_44.0406.C7.o2.tc	Method	TBLASTX:Cress
Start	4172	End	5839
GI	none	Score	84
Exons	4172..4270, 4191..4268, 5114..5326, 5118..5339, 5753..5812, 5813..5839		

Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7
Gene No.	89455	Strand	-
Start	18324	End	20763
Name	OJ000350_44.0406.C7.o3.ts	Method	TBLASTX:Soybean
Start	5123	End	5839
GI	none	Score	241
Exons	5123..5326, 5124..5327, 5753..5839		

Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7
Gene No.	89455	Strand	-
Start	18324	End	20763
Name	OJ000350_44.0406.C7.o5.tw	Method	TBLASTX:Wheat
Start	9243	End	15292
GI	none	Score	61
Exons	9243..9293, 9294..9407, 9305..9397, 9366..9641, 9371..9592, 14900..14947, 14954..15052, 14959..15051, 15019..15258, 15035..15292		

Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7
Gene No.	89455	Strand	-
Start	18324	End	20763
Name	OJ000350_44.0406.C7.o8.tm	Method	TBLASTX:Maize
Start	9272	End	15190
GI	none	Score	181
Exons	9272..9526, 9288..9527, 14905..15189, 14942..15190		

Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7
Gene No.	89455	Strand	-
Start	18324	End	20763
Name	OJ000350_44.0406.C7.o4.tw	Method	TBLASTX:Wheat
Start	10280	End	20763
GI	none	Score	140
Exons	10280..10453, 10281..10454, 10491..10727, 10493..10579, 10503..10712, 10652..10717, 20683..20763		

Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7
Gene No.	89455	Strand	-
Start	18324	End	20763
Name	OJ000350_44.0406.C7.o1.tw	Method	TBLASTX:Wheat
Start	10919	End	11375
GI	none	Score	520
Exons	10919..11374, 10920..11375		

Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7

Gene No.	89455	Strand	-
Start	18324	End	20763
Name	OJ000350_44.0406.C7.o4.tm	Method	TBLASTX:Maize
Start	11049	End	11405
GI	none	Score	388
Exons	11049..11405, 11094..11354, 11111..11404		

Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7
Gene No.	89455	Strand	-
Start	18324	End	20763
Name	OJ000350_44.0406.C7.o5.tm	Method	TBLASTX:Maize
Start	11433	End	11816
GI	none	Score	324
Exons	11433..11816, 11588..11815		

Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7
Gene No.	89455	Strand	-
Start	18324	End	20763
Name	OJ000350_44.0406.C7.o2.tw	Method	TBLASTX:Wheat
Start	11490	End	11914
GI	none	Score	471
Exons	11490..11912, 11493..11882, 11588..11914		

Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7
Gene No.	89455	Strand	-
Start	18324	End	20763
Name	OJ000350_44.0406.C7.o2.ts	Method	TBLASTX:Soybean
Start	11544	End	11969
GI	none	Score	316
Exons	11544..11969, 11588..11728, 11790..11960		

Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7
Gene No.	89455	Strand	-
Start	18324	End	20763
Name	OJ000350_44.0406.C7.o6.tw	Method	TBLASTX:Wheat
Start	12060	End	12467
GI	none	Score	202
Exons	12060..12284, 12113..12286, 12294..12467		

Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7
Gene No.	89455	Strand	-
Start	18324	End	20763
Name	OJ000350_44.0406.C7.o8.tw	Method	TBLASTX:Wheat
Start	12506	End	12827
GI	none	Score	190
Exons	12506..12826, 12507..12827		

Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7
Gene No.	89455	Strand	-
Start	18324	End	20763
Name	OJ000350_44.0406.C7.o6.tm	Method	TBLASTX:Maize
Start	15795	End	16004
GI	none	Score	241
Exons	15795..16004, 15803..16003		

Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7
Gene No.	89455	Strand	-

Start	18324	End	20763
Name	OJ000350_44.0406.C7.o7.tw	Method	TBLASTX:Wheat
Start	15830	End	16193
GI	none	Score	240
Exons	15830..15886, 15831..16076, 15932..16075, 16061..16183, 16062..16193		

Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7
Gene No.	89455	Strand	-
Start	18324	End	20763
Name	OJ000350_44.0406.C7.o3.tw	Method	TBLASTX:Wheat
Start	16215	End	18376
GI	none	Score	361
Exons	16215..16667, 16229..16318, 16364..16471, 16692..16823, 16697..16822, 18323..18376		

Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7
Gene No.	89455	Strand	-
Start	18324	End	20763
Name	OJ000350_44.0406.C7.o7.tm	Method	TBLASTX:Maize
Start	16437	End	16700
GI	none	Score	194
Exons	16437..16700		

Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7
Gene No.	89455	Strand	-
Start	18324	End	20763
Name	OJ000350_44.0406.C7.o5.gs	Method	GENSCAN
Start	18324	End	20697
GI	none	Score	.97
Exons	18324..18635, 18660..19092, 19166..19224, 19295..19464, 20607..20697		

Seq. No.	42844	Seq. ID	OJ000350_44.0406.C7
Gene No.	89455	Strand	-
Start	18324	End	20763
Name	OJ000350_44.0406.C7.o4.np	Method	AAT/NAP
Start	18327	End	20697
GI	6721561	Score	1653
Exons	18327..19092, 19166..19224, 19295..19464, 20607..20697		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42845	Seq. ID	OJ000350_44.0406.C8
Gene No.	89456	Strand	+
Start	1	End	545
Name	OJ000350_44.0406.C8.o1.np	Method	AAT/NAP
Start	1	End	545
GI	6721559	Score	885
Exons	1..384, 413..545		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815084\|dbj\|BAA90370.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	42845	Seq. ID	OJ000350_44.0406.C8
Gene No.	89457	Strand	+
Start	2649	End	4750
Name	OJ000350_44.0406.C8.o3.np	Method	AAT/NAP
Start	2649	End	4750
GI	7523517	Score	332
Exons	2649..2947, 3092..3142, 4724..4750		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	42845	Seq. ID	OJ000350_44.0406.C8
Gene No.	89458	Strand	+
Start	7121	End	8429
Name	OJ000350_44.0406.C8.o6.np	Method	AAT/NAP
Start	7121	End	8429
GI	5777617	Score	89
Exons	7121..7151, 8323..8429		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	42845	Seq. ID	OJ000350_44.0406.C8
Gene No.	89459	Strand	+
Start	17668	End	19201
Name	OJ000350_44.0406.C8.o9.np	Method	AAT/NAP
Start	17668	End	19201
GI	7340909	Score	104
Exons	17668..17706, 18962..19201		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	42845	Seq. ID	OJ000350_44.0406.C8
Gene No.	89460	Strand	-
Start	129	End	2462
Name	OJ000350_44.0406.C8.o1.gs	Method	GENSCAN
Start	129	End	2462
GI	none	Score	.59
Exons	129..406, 945..1056, 1266..1390, 1470..1725, 1837..1994, 2091..2231, 2342..2462		

Seq. No.	42845	Seq. ID	OJ000350_44.0406.C8
Gene No.	89460	Strand	-
Start	129	End	2462
Name	OJ000350_44.0406.C8.o2.np	Method	AAT/NAP
Start	844	End	2190
GI	6721558	Score	697
Exons	844..1056, 1266..1390, 2091..2190		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815083\|dbj\|BAA90369.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	42845	Seq. ID	OJ000350_44.0406.C8
Gene No.	89461	Strand	-
Start	3881	End	5358
Name	OJ000350_44.0406.C8.o1.gp	Method	AAT/GAP
Start	3507	End	3815
GI	2801048	Score	551
Exons	3507..3815		

Seq. No.	42845	Seq. ID	OJ000350_44.0406.C8
Gene No.	89461	Strand	-

Start	3881	End	5358
Name	OJ000350_44.0406.C8.o2.gs	Method	GENSCAN
Start	3881	End	5358
GI	none	Score	.84
Exons	3881..4883, 4910..5358		

Seq. No.	42845	Seq. ID	OJ000350_44.0406.C8
Gene No.	89461	Strand	-
Start	3881	End	5358
Name	OJ000350_44.0406.C8.o4.np	Method	AAT/NAP
Start	3884	End	5358
GI	6721557	Score	2526
Exons	3884..5358		
GI Descrip.	(AP001073) ESTs C71763(E0309),AU082059(E0309) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome II BAC T20B5 genomic sequence; hypothetical protein. (AC002409) [Oryza sativa] gi\|6815082\|dbj\|BAA90368.1\| (AP001081) ESTs C71763(E0309),AU082059(E0309) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana chrom		

Seq. No.	42845	Seq. ID	OJ000350_44.0406.C8
Gene No.	89462	Strand	-
Start	5519	End	6021
Name	OJ000350_44.0406.C8.o2.gp	Method	AAT/GAP
Start	5519	End	6021
GI	none	Score	934
Exons	5519..6021		

Seq. No.	42845	Seq. ID	OJ000350_44.0406.C8
Gene No.	89463	Strand	-
Start	6891	End	11376
Name	OJ000350_44.0406.C8.o4.gs	Method	GENSCAN
Start	6891	End	11376
GI	none	Score	.68
Exons	6891..7158, 7202..7386, 8193..8218, 8586..8948, 9012..9138, 9331..9513, 9550..9753, 10184..10297, 10531..10693, 10930..11006, 11353..11376		

Seq. No.	42845	Seq. ID	OJ000350_44.0406.C8
Gene No.	89463	Strand	-
Start	6891	End	11376
Name	OJ000350_44.0406.C8.o5.np	Method	AAT/NAP
Start	7009	End	7795
GI	6721556	Score	1273
Exons	7009..7586, 7622..7795		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815081\|dbj\|BAA90367.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	42845	Seq. ID	OJ000350_44.0406.C8
Gene No.	89463	Strand	-
Start	6891	End	11376
Name	OJ000350_44.0406.C8.o7.np	Method	AAT/NAP
Start	8476	End	10294
GI	6721555	Score	1614
Exons	8476..8948, 9339..9513, 9550..9753, 10172..10294		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

gi|6815080|dbj|BAA90366.1| (AP001081) hypothetical protein [Oryza sativa]

Seq. No.	42845	Seq. ID	OJ000350_44.0406.C8
Gene No.	89464	Strand	-
Start	12387	End	14447
Name	OJ000350_44.0406.C8.o1.tw	Method	TBLASTX:Wheat
Start	4226	End	4561
GI	none	Score	195
Exons	4226..4561, 4227..4478, 4262..4561		

Seq. No.	42845	Seq. ID	OJ000350_44.0406.C8
Gene No.	89464	Strand	-
Start	12387	End	14447
Name	OJ000350_44.0406.C8.o2.tm	Method	TBLASTX:Maize
Start	4226	End	4858
GI	none	Score	157
Exons	4226..4561, 4245..4472, 4262..4549, 4610..4759, 4611..4769, 4784..4858, 4788..4856		

Seq. No.	42845	Seq. ID	OJ000350_44.0406.C8
Gene No.	89464	Strand	-
Start	12387	End	14447
Name	OJ000350_44.0406.C8.o1.tc	Method	TBLASTX:Cress
Start	4277	End	4858
GI	none	Score	143
Exons	4277..4564, 4278..4478, 4289..4546, 4539..4586, 4610..4759, 4611..4769, 4784..4858, 4788..4856		

Seq. No.	42845	Seq. ID	OJ000350_44.0406.C8
Gene No.	89464	Strand	-
Start	12387	End	14447
Name	OJ000350_44.0406.C8.o1.ts	Method	TBLASTX:Soybean
Start	4277	End	4858
GI	none	Score	125
Exons	4277..4564, 4278..4478, 4599..4793, 4610..4759, 4784..4858, 4788..4856		

Seq. No.	42845	Seq. ID	OJ000350_44.0406.C8
Gene No.	89464	Strand	-
Start	12387	End	14447
Name	OJ000350_44.0406.C8.o2.tw	Method	TBLASTX:Wheat
Start	4610	End	4858
GI	none	Score	87
Exons	4610..4783, 4784..4858		

Seq. No.	42845	Seq. ID	OJ000350_44.0406.C8
Gene No.	89464	Strand	-
Start	12387	End	14447
Name	OJ000350_44.0406.C8.o3.ts	Method	TBLASTX:Soybean
Start	8649	End	8940
GI	none	Score	87
Exons	8649..8723, 8650..8730, 8731..8757, 8803..8940, 8825..8920		

Seq. No.	42845	Seq. ID	OJ000350_44.0406.C8
Gene No.	89464	Strand	-
Start	12387	End	14447

Name	OJ000350_44.0406.C8.o3.tw	Method	TBLASTX:Wheat
Start	9333	End	9565
GI	none	Score	52
Exons	9333..9377, 9334..9375, 9367..9555, 9369..9548, 9379..9555, 9383..9565, 9393..9515		

Seq. No.	42845	Seq. ID	OJ000350_44.0406.C8
Gene No.	89464	Strand	-
Start	12387	End	14447
Name	OJ000350_44.0406.C8.o3.gp	Method	AAT/GAP
Start	12387	End	13402
GI	33806_1.R1084	Score	1970
Exons	12387..13402		
GI Descrip.	'575605/dbj\|BAA07664\| 3.0e-49 (D42065) cationic peroxidase isozyme 40K precursor [Nicotiana tabacum]'		

Seq. No.	42845	Seq. ID	OJ000350_44.0406.C8
Gene No.	89464	Strand	-
Start	12387	End	14447
Name	OJ000350_44.0406.C8.o2.ts	Method	TBLASTX:Soybean
Start	12657	End	14358
GI	none	Score	61
Exons	12657..12767, 12840..13208, 13033..13095, 13233..13412, 13273..13416, 14218..14358		

Seq. No.	42845	Seq. ID	OJ000350_44.0406.C8
Gene No.	89464	Strand	-
Start	12387	End	14447
Name	OJ000350_44.0406.C8.o5.gs	Method	GENSCAN
Start	12660	End	14445
GI	none	Score	1
Exons	12660..13406, 14218..14445		

Seq. No.	42845	Seq. ID	OJ000350_44.0406.C8
Gene No.	89464	Strand	-
Start	12387	End	14447
Name	OJ000350_44.0406.C8.o8.np	Method	AAT/NAP
Start	12663	End	14445
GI	6721554	Score	1633
Exons	12663..13406, 14218..14445		
GI Descrip.	(AP001073) ESTs D24550(R2151),D24265(R1609),AU031848(R2151) correspond to a region of the predicted gene.; Similar to cationic peroxidase isozyme 40K precursor (D42065) [Oryza sativa] gi\|6815079\|dbj\|BAA90365.1\| (AP001081) ESTs D24550(R2151),D24265(R1609),AU031848(R2151) correspond to a region of the predicted gene.; Similar to cationic peroxidase isozyme 40K precursor (		

Seq. No.	42845	Seq. ID	OJ000350_44.0406.C8
Gene No.	89464	Strand	-
Start	12387	End	14447
Name	OJ000350_44.0406.C8.o1.tm	Method	TBLASTX:Maize
Start	12672	End	14447
GI	none	Score	134
Exons	12672..12788, 12672..13412, 12673..12915, 12994..13416, 14218..14370, 14222..14377, 14294..14377, 14397..14447		

Seq. No.	42845	Seq. ID	OJ000350_44.0406.C8
Gene No.	89464	Strand	-
Start	12387	End	14447
Name	OJ000350_44.0406.C8.o2.tc	Method	TBLASTX:Cress
Start	12672	End	14355
GI	none	Score	96
Exons	12672..12761, 12840..12974, 13011..13148, 13170..13208, 13230..13412, 13270..13416, 14218..14355, 14222..14332		

Seq. No.	42845	Seq. ID	OJ000350_44.0406.C8
Gene No.	89464	Strand	-
Start	12387	End	14447
Name	OJ000350_44.0406.C8.o4.tw	Method	TBLASTX:Wheat
Start	13008	End	14355
GI	none	Score	67
Exons	13008..13166, 13009..13155, 13230..13349, 13359..13412, 14218..14355, 14222..14326		

Seq. No.	42846	Seq. ID	OJ000350_44.0406.C9
Gene No.	89465	Strand	+
Start	3323	End	9124
Name	OJ000350_44.0406.C9.o1.gs	Method	GENSCAN
Start	3323	End	8868
GI	none	Score	.81
Exons	3323..3392, 4012..4121, 4706..4829, 4852..4991, 5453..5811, 5866..6140, 8217..8362, 8716..8868		

Seq. No.	42846	Seq. ID	OJ000350_44.0406.C9
Gene No.	89465	Strand	+
Start	3323	End	9124
Name	OJ000350_44.0406.C9.o2.np	Method	AAT/NAP
Start	5579	End	8865
GI	6721552	Score	1127
Exons	5579..5811, 5921..6140, 8217..8362, 8716..8865		
GI Descrip.	(AP001073) ESTs AU067919(C10906),AU067918(C10906) correspond to a region of the predicted gene.; Similar to cysteine proteinase inhibitor (D31700) [Oryza sativa]		

Seq. No.	42846	Seq. ID	OJ000350_44.0406.C9
Gene No.	89465	Strand	+
Start	3323	End	9124
Name	OJ000350_44.0406.C9.o1.gp	Method	AAT/GAP
Start	5913	End	9124
GI	18930_1.R1084	Score	1406
Exons	5913..6140, 8217..8362, 8716..9124		
GI Descrip.	'1944319/dbj\|BAA19608\| 1.0e-45 (D31700) cysteine proteinase inhibitor [Glycine max] >gi_1944342_dbj_BAA19610_ (D64115) cysteine proteinase inhibitor [Glycine max]'		

Seq. No.	42846	Seq. ID	OJ000350_44.0406.C9
Gene No.	89466	Strand	+
Start	10588	End	11030
Name	OJ000350_44.0406.C9.o2.gs	Method	GENSCAN
Start	10588	End	11030
GI	none	Score	.97
Exons	10588..10790, 10916..11030		

Seq. No.	42846	Seq. ID	OJ000350_44.0406.C9
Gene No.	89467	Strand	+
Start	11607	End	11974
Name	OJ000350_44.0406.C9.o2.gp	Method	AAT/GAP
Start	11607	End	11974
GI	2311153	Score	242
Exons	11607..11756, 11945..11974		

Seq. No.	42846	Seq. ID	OJ000350_44.0406.C9
Gene No.	89468	Strand	+
Start	12074	End	12151
Name	OJ000350_44.0406.C9.o3.gp	Method	AAT/GAP
Start	12074	End	12151
GI	2311153	Score	106
Exons	12074..12151		

Seq. No.	42846	Seq. ID	OJ000350_44.0406.C9
Gene No.	89469	Strand	-
Start	1	End	298
Name	OJ000350_44.0406.C9.o1.np	Method	AAT/NAP
Start	1	End	298
GI	6721553	Score	473
Exons	1..298		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815078\|dbj\|BAA90364.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	42846	Seq. ID	OJ000350_44.0406.C9
Gene No.	89470	Strand	-
Start	11479	End	11841
Name	OJ000350_44.0406.C9.o1.tm	Method	TBLASTX:Maize
Start	5701	End	8871
GI	none	Score	106
Exons	5701..5799, 5705..5800, 5869..6171, 5918..6142, 6052..6147, 8180..8365, 8215..8364, 8216..8365, 8712..8831, 8713..8862, 8714..8833, 8841..8870, 8842..8871		

Seq. No.	42846	Seq. ID	OJ000350_44.0406.C9
Gene No.	89470	Strand	-
Start	11479	End	11841
Name	OJ000350_44.0406.C9.o1.tw	Method	TBLASTX:Wheat
Start	5708	End	6108
GI	none	Score	34
Exons	5708..5743, 5753..5800, 5921..6103, 5923..6108		

Seq. No.	42846	Seq. ID	OJ000350_44.0406.C9
Gene No.	89470	Strand	-
Start	11479	End	11841
Name	OJ000350_44.0406.C9.o1.tc	Method	TBLASTX:Cress
Start	5717	End	8344
GI	none	Score	73
Exons	5717..5800, 5722..5799, 5918..6139, 5920..6135, 8213..8344		

Seq. No.	42846	Seq. ID	OJ000350_44.0406.C9
Gene No.	89470	Strand	-
Start	11479	End	11841
Name	OJ000350_44.0406.C9.o1.ts	Method	TBLASTX:Soybean

Start	5720	End	8847
GI	none	Score	92
Exons	5720..5800, 5722..5799, 5917..6138, 5918..6139, 8177..8365, 8227..8367, 8713..8847		

Seq. No.	42846	Seq. ID	OJ000350_44.0406.C9
Gene No.	89470	Strand	-
Start	11479	End	11841
Name	OJ000350_44.0406.C9.o3.gs	Method	GENSCAN
Start	11479	End	11841
GI	none	Score	.84
Exons	11479..11841		

Seq. No.	42847	Seq. ID	OJ000320_35.0412.C4
Gene No.	89471	Strand	+
Start	7082	End	8901
Name	OJ000320_35.0412.C4.o3.np	Method	AAT/NAP
Start	7082	End	8901
GI	7228450	Score	231
Exons	7082..7109, 8341..8402, 8546..8685, 8788..8901		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	42847	Seq. ID	OJ000320_35.0412.C4
Gene No.	89472	Strand	-
Start	1	End	896
Name	OJ000320_35.0412.C4.o1.np	Method	AAT/NAP
Start	1	End	896
GI	6069646	Score	576
Exons	1..896		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	42847	Seq. ID	OJ000320_35.0412.C4
Gene No.	89473	Strand	-
Start	9186	End	9487
Name	OJ000320_35.0412.C4.o3.tm	Method	TBLASTX:Maize
Start	5	End	484
GI	none	Score	76
Exons	5..286, 48..242, 283..483, 300..326, 365..484		

Seq. No.	42847	Seq. ID	OJ000320_35.0412.C4
Gene No.	89473	Strand	-
Start	9186	End	9487
Name	OJ000320_35.0412.C4.o1.tw	Method	TBLASTX:Wheat
Start	14	End	236
GI	none	Score	133
Exons	14..235, 15..236		

Seq. No.	42847	Seq. ID	OJ000320_35.0412.C4
Gene No.	89473	Strand	-
Start	9186	End	9487
Name	OJ000320_35.0412.C4.o1.tm	Method	TBLASTX:Maize
Start	487	End	913
GI	none	Score	96

Exons	487..903, 488..685, 532..735, 761..913		
Seq. No.	42847	Seq. ID	OJ000320_35.0412.C4
Gene No.	89473	Strand	-
Start	9186	End	9487
Name	OJ000320_35.0412.C4.o3.tw	Method	TBLASTX:Wheat
Start	658	End	864
GI	none	Score	177
Exons	658..864		
Seq. No.	42847	Seq. ID	OJ000320_35.0412.C4
Gene No.	89473	Strand	-
Start	9186	End	9487
Name	OJ000320_35.0412.C4.o2.tm	Method	TBLASTX:Maize
Start	1069	End	1515
GI	none	Score	124
Exons	1069..1515, 1109..1345, 1180..1500		
Seq. No.	42847	Seq. ID	OJ000320_35.0412.C4
Gene No.	89473	Strand	-
Start	9186	End	9487
Name	OJ000320_35.0412.C4.o2.tw	Method	TBLASTX:Wheat
Start	1591	End	1878
GI	none	Score	188
Exons	1591..1878		
Seq. No.	42847	Seq. ID	OJ000320_35.0412.C4
Gene No.	89473	Strand	-
Start	9186	End	9487
Name	OJ000320_35.0412.C4.o2.gs	Method	GENSCAN
Start	9186	End	9487
GI	none	Score	.93
Exons	9186..9319, 9430..9487		
Seq. No.	42848	Seq. ID	OJ000320_35.0412.C5
Gene No.	89474	Strand	+
Start	5531	End	6325
Name	OJ000320_35.0412.C5.o2.gs	Method	GENSCAN
Start	5531	End	6325
GI	none	Score	.97
Exons	5531..6325		
Seq. No.	42848	Seq. ID	OJ000320_35.0412.C5
Gene No.	89475	Strand	+
Start	11278	End	11586
Name	OJ000320_35.0412.C5.o4.gs	Method	GENSCAN
Start	11278	End	11586
GI	none	Score	.9
Exons	11278..11586		
Seq. No.	42848	Seq. ID	OJ000320_35.0412.C5
Gene No.	89476	Strand	-
Start	1	End	9479
Name	OJ000320_35.0412.C5.o1.np	Method	AAT/NAP
Start	1	End	1512
GI	3059140	Score	446
Exons	1..37, 135..234, 408..520, 1009..1109, 1321..1359, 1446..1512		

GI Descrip.	(AJ001706) NAD-dependent glyceraldehyde-3-phosphate dehydrogenase [Pinus sylvestris]		
Seq. No.	42848	Seq. ID	OJ000320_35.0412.C5
Gene No.	89476	Strand	-
Start	1	End	9479
Name	OJ000320_35.0412.C5.o2.np	Method	AAT/NAP
Start	1	End	9479
GI	2494630	Score	287
Exons	1..37, 135..260, 437..520, 1009..1127, 2240..2345, 6009..6181, 9436..9479		
GI Descrip.	GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE, TESTIS-SPECIFIC (GAPDH) gi\|2117532\|pir\|\|I49681 glyceraldehyde-3-phosphate dehydrogenase (EC 1.2.1.12) - mouse gi\|567204 (M60978) glyceraldehyde 3-phosphate dehydrogenase [Mus musculus]		
Seq. No.	42848	Seq. ID	OJ000320_35.0412.C5
Gene No.	89476	Strand	-
Start	1	End	9479
Name	OJ000320_35.0412.C5.o1.tm	Method	TBLASTX:Maize
Start	3	End	1116
GI	none	Score	63
Exons	3..41, 3..38, 4..42, 134..235, 135..236, 136..237, 396..509, 407..520, 409..528, 1001..1111, 1008..1106, 1009..1116, 1010..1111		
Seq. No.	42848	Seq. ID	OJ000320_35.0412.C5
Gene No.	89476	Strand	-
Start	1	End	9479
Name	OJ000320_35.0412.C5.o1.gs	Method	GENSCAN
Start	135	End	2213
GI	none	Score	.86
Exons	135..234, 408..520, 1009..1109, 1321..1359, 1446..1504, 1734..1795, 1998..2213		
Seq. No.	42849	Seq. ID	OJ000320_35.0412.C6
Gene No.	89477	Strand	+
Start	1134	End	3227
Name	OJ000320_35.0412.C6.o1.gs	Method	GENSCAN
Start	1134	End	3227
GI	none	Score	.4
Exons	1134..1355, 1779..1857, 3067..3227		
Seq. No.	42849	Seq. ID	OJ000320_35.0412.C6
Gene No.	89478	Strand	+
Start	6858	End	10043
Name	OJ000320_35.0412.C6.o1.np	Method	AAT/NAP
Start	6825	End	10040
GI	6522592	Score	1718
Exons	6825..8513, 8589..9787, 9830..10040		
GI Descrip.	(AL133292) receptor protein kinase-like protein [Arabidopsis thaliana]		
Seq. No.	42849	Seq. ID	OJ000320_35.0412.C6
Gene No.	89478	Strand	+
Start	6858	End	10043
Name	OJ000320_35.0412.C6.o3.gs	Method	GENSCAN

Start	6858	End	10043
GI	none	Score	.54
Exons	6858..10043		

Seq. No.	42849	Seq. ID	OJ000320_35.0412.C6
Gene No.	89479	Strand	-
Start	3414	End	5735
Name	OJ000320_35.0412.C6.o5.tw	Method	TBLASTX:Wheat
Start	118	End	487
GI	none	Score	116
Exons	118..258, 119..253, 262..426, 263..415, 407..487		

Seq. No.	42849	Seq. ID	OJ000320_35.0412.C6
Gene No.	89479	Strand	-
Start	3414	End	5735
Name	OJ000320_35.0412.C6.o2.tm	Method	TBLASTX:Maize
Start	130	End	740
GI	none	Score	345
Exons	130..429, 131..502, 260..496, 498..740		

Seq. No.	42849	Seq. ID	OJ000320_35.0412.C6
Gene No.	89479	Strand	-
Start	3414	End	5735
Name	OJ000320_35.0412.C6.o3.ts	Method	TBLASTX:Soybean
Start	344	End	872
GI	none	Score	54
Exons	344..400, 470..502, 527..697, 531..698, 711..872, 770..799		

Seq. No.	42849	Seq. ID	OJ000320_35.0412.C6
Gene No.	89479	Strand	-
Start	3414	End	5735
Name	OJ000320_35.0412.C6.o2.tw	Method	TBLASTX:Wheat
Start	497	End	1046
GI	none	Score	220
Exons	497..826, 498..869, 870..902, 948..1046		

Seq. No.	42849	Seq. ID	OJ000320_35.0412.C6
Gene No.	89479	Strand	-
Start	3414	End	5735
Name	OJ000320_35.0412.C6.o3.tm	Method	TBLASTX:Maize
Start	948	End	1403
GI	none	Score	326
Exons	948..1316, 951..1205, 956..1309, 1347..1403		

Seq. No.	42849	Seq. ID	OJ000320_35.0412.C6
Gene No.	89479	Strand	-
Start	3414	End	5735
Name	OJ000320_35.0412.C6.o1.tw	Method	TBLASTX:Wheat
Start	1146	End	1511
GI	none	Score	221
Exons	1146..1421, 1259..1396, 1402..1509, 1407..1511		

Seq. No.	42849	Seq. ID	OJ000320_35.0412.C6
Gene No.	89479	Strand	-
Start	3414	End	5735
Name	OJ000320_35.0412.C6.o6.tm	Method	TBLASTX:Maize
Start	1410	End	1739

GI	none	Score	62
Exons	1410..1520, 1410..1532, 1411..1560, 1411..1566, 1567..1626, 1623..1739		
Seq. No.	42849	Seq. ID	OJ000320_35.0412.C6
Gene No.	89479	Strand	-
Start	3414	End	5735
Name	OJ000320_35.0412.C6.o2.gs	Method	GENSCAN
Start	3414	End	5735
GI	none	Score	.72
Exons	3414..3531, 3719..3807, 4004..5070, 5104..5224, 5232..5735		
Seq. No.	42849	Seq. ID	OJ000320_35.0412.C6
Gene No.	89480	Strand	
Start	7026	End	10025
Name	OJ000320_35.0412.C6.o1.tc	Method	TBLASTX:Cress
Start	7026	End	9746
GI	none	Score	38
Exons	7026..7052, 7065..7184, 7074..7184, 7082..7258, 7092..7616, 7134..7616, 7230..7277, 7326..7400, 7350..7616, 7353..7637, 7353..7544, 7376..7543, 7434..7628, 7635..7775, 7641..7781, 7644..7790, 7644..7775, 7653..7763, 7659..7817, 7857..7946, 7878..7949, 7929..8291, 7929..8084, 7953..8291, 7953..8084, 7956..8084, 7962..8291, 7965..8291, 7991..8218, 8034..8291, 8135..8236, 8136..8291, 8355..8726, 8355..8522, 8355..8726, 8355..8726, 8355..8654, 8388..8732, 8499..8726, 8571..8774, 8616..8726, 9141..9245, 9405..9578, 9458..9565, 9615..9746, 9620..9712		
Seq. No.	42849	Seq. ID	OJ000320_35.0412.C6
Gene No.	89480	Strand	
Start	7026	End	10025
Name	OJ000320_35.0412.C6.o4.tm	Method	TBLASTX:Maize
Start	7053	End	8729
GI	none	Score	72
Exons	7053..7184, 7065..7184, 7074..7184, 7092..7595, 7134..7616, 7644..7790, 7794..7826, 7857..7946, 7863..7949, 7901..7936, 7929..8198, 7929..8219, 7956..8219, 8034..8291, 8063..8305, 8135..8299, 8135..8251, 8136..8219, 8355..8705, 8355..8726, 8355..8729, 8355..8726, 8388..8726, 8426..8698		
Seq. No.	42849	Seq. ID	OJ000320_35.0412.C6
Gene No.	89480	Strand	
Start	7026	End	10025
Name	OJ000320_35.0412.C6.o2.ts	Method	TBLASTX:Soybean
Start	7059	End	8774
GI	none	Score	92
Exons	7059..7265, 7065..7397, 7233..7616, 7233..7628, 7326..7628, 7353..7622, 7644..7790, 7860..7946, 7863..7949, 7929..8288, 7929..8291, 7959..8291, 7965..8291, 8045..8302, 8133..8291, 8171..8299, 8172..8291, 8355..8726, 8355..8726, 8355..8729, 8355..8726, 8391..8726, 8426..8656, 8457..8726, 8631..8774		
Seq. No.	42849	Seq. ID	OJ000320_35.0412.C6
Gene No.	89480	Strand	
Start	7026	End	10025
Name	OJ000320_35.0412.C6.o4.tw	Method	TBLASTX:Wheat

Start	7557	End	8726
GI	none	Score	126
Exons	7557..7781, 7583..7810, 7695..7781, 7842..8201, 7916..8182, 8607..8726		

Seq. No.	42849	Seq. ID	OJ000320_35.0412.C6
Gene No.	89480	Strand	
Start	7026	End	10025
Name	OJ000320_35.0412.C6.o1.ts	Method	TBLASTX:Soybean
Start	9009	End	9830
GI	none	Score	91
Exons	9009..9101, 9053..9097, 9135..9365, 9173..9328, 9387..9629, 9467..9553, 9603..9830, 9620..9724		

Seq. No.	42849	Seq. ID	OJ000320_35.0412.C6
Gene No.	89480	Strand	
Start	7026	End	10025
Name	OJ000320_35.0412.C6.o1.tm	Method	TBLASTX:Maize
Start	9168	End	9638
GI	none	Score	224
Exons	9168..9347, 9168..9341, 9173..9346, 9390..9575, 9464..9574, 9594..9638		

Seq. No.	42849	Seq. ID	OJ000320_35.0412.C6
Gene No.	89480	Strand	
Start	7026	End	10025
Name	OJ000320_35.0412.C6.o3.tw	Method	TBLASTX:Wheat
Start	9321	End	9734
GI	none	Score	35
Exons	9321..9341, 9405..9578, 9449..9562, 9594..9734, 9605..9724		

Seq. No.	42849	Seq. ID	OJ000320_35.0412.C6
Gene No.	89480	Strand	
Start	7026	End	10025
Name	OJ000320_35.0412.C6.o5.tm	Method	TBLASTX:Maize
Start	9641	End	10025
GI	none	Score	186
Exons	9641..9793, 9642..9830, 9903..10025		

Seq. No.	42850	Seq. ID	OJ000320_35.0412.C10
Gene No.	89481	Strand	+
Start	448	End	4295
Name	OJ000320_35.0412.C10.o1.np	Method	AAT/NAP
Start	448	End	4292
GI	4982519	Score	483
Exons	448..655, 3064..3138, 3234..3374, 3897..3963, 3991..4120, 4193..4292		
GI Descrip.	(AC000107) F17F8.25 [Arabidopsis thaliana]		

Seq. No.	42850	Seq. ID	OJ000320_35.0412.C10
Gene No.	89481	Strand	+
Start	448	End	4295
Name	OJ000320_35.0412.C10.o1.gs	Method	GENSCAN
Start	491	End	4295
GI	none	Score	.91
Exons	491..655, 3064..3138, 3234..3374, 3897..4295		

Seq. No.	42850	Seq. ID	OJ000320_35.0412.C10
Gene No.	89481	Strand	+
Start	448	End	4295
Name	OJ000320_35.0412.C10.o1.gp	Method	AAT/GAP
Start	1504	End	1922
GI	94783_1.R1084	Score	815
Exons	1504..1922		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	42850	Seq. ID	OJ000320_35.0412.C10
Gene No.	89482	Strand	-
Start	4223	End	4663
Name	OJ000320_35.0412.C10.o2.gp	Method	AAT/GAP
Start	4223	End	4663
GI	5004350	Score	867
Exons	4223..4663		

Seq. No.	42850	Seq. ID	OJ000320_35.0412.C10
Gene No.	89483	Strand	-
Start	6282	End	7823
Name	OJ000320_35.0412.C10.o1.ts	Method	TBLASTX:Soybean
Start	494	End	658
GI	none	Score	214
Exons	494..658, 496..636		

Seq. No.	42850	Seq. ID	OJ000320_35.0412.C10
Gene No.	89483	Strand	-
Start	6282	End	7823
Name	OJ000320_35.0412.C10.o2.gs	Method	GENSCAN
Start	6282	End	7823
GI	none	Score	.41
Exons	6282..6320, 6688..6741, 7725..7823		

Seq. No.	42851	Seq. ID	OJ000320_35.0412.C11
Gene No.	89484	Strand	-
Start	1	End	4399
Name	OJ000320_35.0412.C11.o1.np	Method	AAT/NAP
Start	1	End	892
GI	7446534	Score	210
Exons	1..119, 710..892		
GI Descrip.	MADS box protein - rice gi\|886401\|gb\|AAB52709.1\| (L37526) MADS box protein [Oryza sativa]		

Seq. No.	42851	Seq. ID	OJ000320_35.0412.C11
Gene No.	89484	Strand	-
Start	1	End	4399
Name	OJ000320_35.0412.C11.o1.ts	Method	TBLASTX:Soybean
Start	686	End	946
GI	none	Score	128
Exons	686..946, 717..902		

Seq. No.	42851	Seq. ID	OJ000320_35.0412.C11
Gene No.	89484	Strand	-
Start	1	End	4399
Name	OJ000320_35.0412.C11.o1.gs	Method	GENSCAN
Start	705	End	4399

GI	none	Score	.45
Exons	705..911, 1148..1183, 2359..2401, 4149..4399		

Seq. No.	42851	Seq. ID	OJ000320_35.0412.C11
Gene No.	89484	Strand	-
Start	1	End	4399
Name	OJ000320_35.0412.C11.o1.tc	Method	TBLASTX:Cress
Start	710	End	982
GI	none	Score	122
Exons	710..982, 711..893		

Seq. No.	42851	Seq. ID	OJ000320_35.0412.C11
Gene No.	89484	Strand	-
Start	1	End	4399
Name	OJ000320_35.0412.C11.o1.tm	Method	TBLASTX:Maize
Start	713	End	905
GI	none	Score	158
Exons	713..904, 714..905		

Seq. No.	42851	Seq. ID	OJ000320_35.0412.C11
Gene No.	89484	Strand	-
Start	1	End	4399
Name	OJ000320_35.0412.C11.o1.tw	Method	TBLASTX:Wheat
Start	713	End	922
GI	none	Score	171
Exons	713..922, 714..905		

Seq. No.	42852	Seq. ID	OJ000320_35.0412.C12
Gene No.	89485	Strand	+
Start	56	End	1463
Name	OJ000320_35.0412.C12.o1.gs	Method	GENSCAN
Start	56	End	1463
GI	none	Score	.41
Exons	56..90, 1195..1318, 1383..1463		

Seq. No.	42852	Seq. ID	OJ000320_35.0412.C12
Gene No.	89486	Strand	-
Start	1175	End	1477
Name	OJ000320_35.0412.C12.o1.np	Method	AAT/NAP
Start	1175	End	1477
GI	6289057	Score	183
Exons	1175..1477		
GI Descrip.	(AF193440) heme activated protein [Arabidopsis thaliana]		

Seq. No.	42852	Seq. ID	OJ000320_35.0412.C12
Gene No.	89486	Strand	-
Start	1175	End	1477
Name	OJ000320_35.0412.C12.o1.tm	Method	TBLASTX:Maize
Start	1183	End	1477
GI	none	Score	39
Exons	1183..1218, 1204..1233, 1238..1273, 1246..1302, 1247..1303, 1287..1475, 1316..1477, 1320..1475		

Seq. No.	42852	Seq. ID	OJ000320_35.0412.C12
Gene No.	89486	Strand	-
Start	1175	End	1477
Name	OJ000320_35.0412.C12.o1.ts	Method	TBLASTX:Soybean

Start	1319	End	1477
GI	none	Score	132
Exons	1319..1477, 1320..1466, 1367..1477		

Seq. No.	42852	Seq. ID	OJ000320_35.0412.C12
Gene No.	89486	Strand	-
Start	1175	End	1477
Name	OJ000320_35.0412.C12.o1.tc	Method	TBLASTX:Cress
Start	1340	End	1477
GI	none	Score	131
Exons	1340..1477, 1341..1466, 1367..1477		

Seq. No.	42853	Seq. ID	OJ000320_35.0412.C13
Gene No.	89487	Strand	-
Start	1	End	1150
Name	OJ000320_35.0412.C13.o1.np	Method	AAT/NAP
Start	1	End	1150
GI	4680183	Score	1811
Exons	1..1150		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	42853	Seq. ID	OJ000320_35.0412.C13
Gene No.	89487	Strand	-
Start	1	End	1150
Name	OJ000320_35.0412.C13.o1.gs	Method	GENSCAN
Start	152	End	1104
GI	none	Score	.66
Exons	152..1104		

Seq. No.	42854	Seq. ID	OJ000320_35.0412.C14
Gene No.	89488	Strand	-
Start	346	End	3854
Name	OJ000320_35.0412.C14.o1.gs	Method	GENSCAN
Start	346	End	3140
GI	none	Score	.58
Exons	346..419, 810..911, 1172..1208, 1325..1369, 2382..2461, 2559..2669, 2730..2795, 2882..3140		

Seq. No.	42854	Seq. ID	OJ000320_35.0412.C14
Gene No.	89488	Strand	-
Start	346	End	3854
Name	OJ000320_35.0412.C14.o1.gp	Method	AAT/GAP
Start	646	End	760
GI	uC-osflcyp142d10b1	Score	204
Exons	646..760		
GI Descrip.	'1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	42854	Seq. ID	OJ000320_35.0412.C14
Gene No.	89488	Strand	-
Start	346	End	3854
Name	OJ000320_35.0412.C14.o2.gp	Method	AAT/GAP
Start	819	End	3025
GI	17481_1.R1084	Score	958
Exons	819..911, 1114..1208, 1325..1369, 2382..2461, 2559..2609, 2730..2795, 2882..3025		
GI Descrip.	'3033396 8.0e-21 (AC004238) unknown protein [Arabidopsis		

thaliana]'

Seq. No.	42854	Seq. ID	OJ000320_35.0412.C14
Gene No.	89488	Strand	-
Start	346	End	3854
Name	OJ000320_35.0412.C14.o1.tm	Method	TBLASTX:Maize
Start	1098	End	2791
GI	none	Score	79
Exons	1098..1202, 1098..1208, 1120..1209, 1326..1385, 2151..2228, 2344..2460, 2378..2464, 2382..2459, 2554..2607, 2555..2605, 2731..2790, 2735..2791		

Seq. No.	42854	Seq. ID	OJ000320_35.0412.C14
Gene No.	89488	Strand	-
Start	346	End	3854
Name	OJ000320_35.0412.C14.o1.np	Method	AAT/NAP
Start	1113	End	3854
GI	7485808	Score	165
Exons	1113..1208, 1325..1369, 2382..2461, 2559..2609, 2730..2809, 3817..3854		
GI Descrip.	hypothetical protein F19I3.24 - Arabidopsis thaliana gi\|3033396\|gb\|AAC12840.1\| (AC004238) putative thioredoxin [Arabidopsis thaliana]		

Seq. No.	42854	Seq. ID	OJ000320_35.0412.C14
Gene No.	89488	Strand	-
Start	346	End	3854
Name	OJ000320_35.0412.C14.o2.gs	Method	GENSCAN
Start	3643	End	3698
GI	none	Score	.62
Exons	3643..3698		

Seq. No.	42855	Seq. ID	OJ000320_35.0412.C16
Gene No.	89489	Strand	-
Start	1	End	2394
Name	OJ000320_35.0412.C16.o1.np	Method	AAT/NAP
Start	1	End	2394
GI	5922631	Score	2498
Exons	1..799, 1406..2394		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi\|6016864\|dbj\|BAA85207.1\| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	42855	Seq. ID	OJ000320_35.0412.C16
Gene No.	89489	Strand	-
Start	1	End	2394
Name	OJ000320_35.0412.C16.o4.tw	Method	TBLASTX:Wheat
Start	78	End	390
GI	none	Score	85
Exons	78..389, 81..254, 91..270, 313..390		

Seq. No.	42855	Seq. ID	OJ000320_35.0412.C16
Gene No.	89489	Strand	-

Start	1	End	2394
Name	OJ000320_35.0412.C16.o2.tm	Method	TBLASTX:Maize
Start	228	End	672
GI	none	Score	88
Exons	228..254, 252..395, 265..396,	417..671,	418..672

Seq. No.	42855	Seq. ID	OJ000320_35.0412.C16
Gene No.	89489	Strand	-
Start	1	End	2394
Name	OJ000320_35.0412.C16.o1.gs	Method	GENSCAN
Start	247	End	2378
GI	none	Score	.67
Exons	247..1317, 1414..2378		

Seq. No.	42855	Seq. ID	OJ000320_35.0412.C16
Gene No.	89489	Strand	-
Start	1	End	2394
Name	OJ000320_35.0412.C16.o1.ts	Method	TBLASTX:Soybean
Start	339	End	740
GI	none	Score	43
Exons	339..740, 373..543, 580..723		

Seq. No.	42855	Seq. ID	OJ000320_35.0412.C16
Gene No.	89489	Strand	-
Start	1	End	2394
Name	OJ000320_35.0412.C16.o2.tw	Method	TBLASTX:Wheat
Start	394	End	818
GI	none	Score	285
Exons	394..774, 399..818		

Seq. No.	42855	Seq. ID	OJ000320_35.0412.C16
Gene No.	89489	Strand	-
Start	1	End	2394
Name	OJ000320_35.0412.C16.o1.tm	Method	TBLASTX:Maize
Start	903	End	1259
GI	none	Score	214
Exons	903..1259, 913..1218		

Seq. No.	42855	Seq. ID	OJ000320_35.0412.C16
Gene No.	89489	Strand	-
Start	1	End	2394
Name	OJ000320_35.0412.C16.o1.tw	Method	TBLASTX:Wheat
Start	933	End	1389
GI	none	Score	268
Exons	933..1388, 934..1389		

Seq. No.	42855	Seq. ID	OJ000320_35.0412.C16
Gene No.	89489	Strand	-
Start	1	End	2394
Name	OJ000320_35.0412.C16.o2.ts	Method	TBLASTX:Soybean
Start	984	End	1349
GI	none	Score	138
Exons	984..1118, 1125..1349		

Seq. No.	42855	Seq. ID	OJ000320_35.0412.C16
Gene No.	89489	Strand	-
Start	1	End	2394

Name	OJ000320_35.0412.C16.o3.tw	Method	TBLASTX:Wheat
Start	1389	End	2066
GI	none	Score	154
Exons	1389..1505, 1609..1845, 1611..1841, 1890..2066		

Seq. No.	42855	Seq. ID	OJ000320_35.0412.C16
Gene No.	89489	Strand	-
Start	1	End	2394
Name	OJ000320_35.0412.C16.o3.tm	Method	TBLASTX:Maize
Start	1611	End	1758
GI	none	Score	114
Exons	1611..1757, 1612..1758		

Seq. No.	42856	Seq. ID	OJ000320_35.0412.C19
Gene No.	89490	Strand	-
Start	2118	End	2357
Name	OJ000320_35.0412.C19.o1.tw	Method	TBLASTX:Wheat
Start	1531	End	1944
GI	none	Score	238
Exons	1531..1944		

Seq. No.	42856	Seq. ID	OJ000320_35.0412.C19
Gene No.	89490	Strand	-
Start	2118	End	2357
Name	OJ000320_35.0412.C19.o1.tm	Method	TBLASTX:Maize
Start	1885	End	2357
GI	none	Score	72
Exons	1885..1944, 1978..2139, 2160..2357, 2194..2286		

Seq. No.	42856	Seq. ID	OJ000320_35.0412.C19
Gene No.	89490	Strand	-
Start	2118	End	2357
Name	OJ000320_35.0412.C19.o1.gs	Method	GENSCAN
Start	2118	End	2310
GI	none	Score	.71
Exons	2118..2196, 2279..2310		

Seq. No.	42857	Seq. ID	OJ000320_35.0412.C20
Gene No.	89491	Strand	-
Start	1	End	2528
Name	OJ000320_35.0412.C20.o1.np	Method	AAT/NAP
Start	1	End	2528
GI	4432866	Score	317
Exons	1..746, 2475..2528		
GI Descrip.	(AC006300) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	42857	Seq. ID	OJ000320_35.0412.C20
Gene No.	89491	Strand	-
Start	1	End	2528
Name	OJ000320_35.0412.C20.o1.tm	Method	TBLASTX:Maize
Start	2	End	699
GI	none	Score	105
Exons	2..235, 21..221, 238..687, 242..403, 446..694, 472..699, 591..695		

Seq. No.	42857	Seq. ID	OJ000320_35.0412.C20

Gene No.	89491	Strand	-
Start	1	End	2528
Name	OJ000320_35.0412.C20.o1.tw	Method	TBLASTX:Wheat
Start	250	End	592
GI	none	Score	90
Exons	250..402, 251..391, 403..588,	446..592	

Seq. No.	42858	Seq. ID	OJ000320_35.0412.C21
Gene No.	89492	Strand	+
Start	157	End	285
Name	OJ000320_35.0412.C21.o1.gs	Method	GENSCAN
Start	157	End	285
GI	none	Score	.72
Exons	157..285		

Seq. No.	42859	Seq. ID	OJ000320_35.0412.C22
Gene No.	89493	Strand	+
Start	1	End	273
Name	OJ000320_35.0412.C22.o1.np	Method	AAT/NAP
Start	1	End	270
GI	4966351	Score	95
Exons	1..42, 219..270		
GI Descrip.	(AC006341) Similar to gb\|AJ001706 NAD-dependent glyceraldehyde-3-phosphate dehydrogenase (GapCp1) from Pinus sylvestris and is a member of the PF\|00044 glyceraldehyde 3-phosphate dehydrogenase family. ESTs gb\|H37679, gb\|R83939 and gb\|R30214 come from >		

Seq. No.	42859	Seq. ID	OJ000320_35.0412.C22
Gene No.	89493	Strand	+
Start	1	End	273
Name	OJ000320_35.0412.C22.o1.gs	Method	GENSCAN
Start	2	End	273
GI	none	Score	.98
Exons	2..42, 219..273		

Seq. No.	42859	Seq. ID	OJ000320_35.0412.C22
Gene No.	89494	Strand	-
Start	2458	End	2929
Name	OJ000320_35.0412.C22.o2.np	Method	AAT/NAP
Start	2458	End	2929
GI	7329661	Score	265
Exons	2458..2929		
GI Descrip.	(AL162351) putative protein [Arabidopsis thaliana]		

Seq. No.	42859	Seq. ID	OJ000320_35.0412.C22
Gene No.	89495	Strand	-
Start	4472	End	7872
Name	OJ000320_35.0412.C22.o2.tm	Method	TBLASTX:Maize
Start	2473	End	2728
GI	none	Score	126
Exons	2473..2628, 2480..2629, 2630..2728, 2653..2727		

Seq. No.	42859	Seq. ID	OJ000320_35.0412.C22
Gene No.	89495	Strand	-
Start	4472	End	7872
Name	OJ000320_35.0412.C22.o1.tc	Method	TBLASTX:Cress

Start	2479	End	2712
GI	none	Score	110
Exons	2479..2712, 2495..2620		

Seq. No.	42859	Seq. ID	OJ000320_35.0412.C22
Gene No.	89495	Strand	-
Start	4472	End	7872
Name	OJ000320_35.0412.C22.o1.ts	Method	TBLASTX:Soybean
Start	2491	End	2706
GI	none	Score	125
Exons	2491..2706, 2495..2698		

Seq. No.	42859	Seq. ID	OJ000320_35.0412.C22
Gene No.	89495	Strand	-
Start	4472	End	7872
Name	OJ000320_35.0412.C22.o3.np	Method	AAT/NAP
Start	4375	End	7872
GI	7485016	Score	145
Exons	4375..4408, 6584..6955, 7830..7872		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi\|2244869\|emb\|CAB10291.1\| (Z97337) hypothetical protein [Arabidopsis thaliana] gi\|7268258\|emb\|CAB78554.1\| (AL161540) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42859	Seq. ID	OJ000320_35.0412.C22
Gene No.	89495	Strand	-
Start	4472	End	7872
Name	OJ000320_35.0412.C22.o3.gs	Method	GENSCAN
Start	4472	End	5180
GI	none	Score	.86
Exons	4472..4624, 5106..5180		

Seq. No.	42859	Seq. ID	OJ000320_35.0412.C22
Gene No.	89495	Strand	-
Start	4472	End	7872
Name	OJ000320_35.0412.C22.o1.tm	Method	TBLASTX:Maize
Start	6660	End	7033
GI	none	Score	51
Exons	6660..6710, 6661..6711, 6681..6809, 6751..6810, 6753..6881, 6757..6882, 6992..7033		

Seq. No.	42860	Seq. ID	OJ000320_35.0412.C23
Gene No.	89496	Strand	+
Start	24	End	680
Name	OJ000320_35.0412.C23.o1.gs	Method	GENSCAN
Start	24	End	680
GI	none	Score	.62
Exons	24..26, 549..680		

Seq. No.	42861	Seq. ID	OJ000320_35.0412.C24
Gene No.	89497	Strand	+
Start	1146	End	2397
Name	OJ000320_35.0412.C24.o1.gs	Method	GENSCAN
Start	1146	End	2397
GI	none	Score	.72
Exons	1146..1253, 2266..2397		

Seq. No.	42861	Seq. ID	OJ000320_35.0412.C24
Gene No.	89498	Strand	+
Start	5695	End	8653
Name	OJ000320_35.0412.C24.o3.gs	Method	GENSCAN
Start	5695	End	8638
GI	none	Score	.64
Exons	5695..5713, 5848..6884, 6971..7274, 7308..7646, 7721..7908, 7984..8173, 8246..8350, 8423..8638		

Seq. No.	42861	Seq. ID	OJ000320_35.0412.C24
Gene No.	89498	Strand	+
Start	5695	End	8653
Name	OJ000320_35.0412.C24.o1.np	Method	AAT/NAP
Start	6000	End	8653
GI	6691716	Score	2127
Exons	6000..6884, 7082..7260, 7342..7648, 7735..7908, 7984..8087, 8238..8350, 8423..8653		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	42861	Seq. ID	OJ000320_35.0412.C24
Gene No.	89499	Strand	-
Start	3862	End	4422
Name	OJ000320_35.0412.C24.o2.gs	Method	GENSCAN
Start	3862	End	4422
GI	none	Score	.54
Exons	3862..3980, 4123..4278, 4335..4422		

Seq. No.	42861	Seq. ID	OJ000320_35.0412.C24
Gene No.	89500	Strand	
Start	6120	End	6410
Name	OJ000320_35.0412.C24.o1.tw	Method	TBLASTX:Wheat
Start	6120	End	6410
GI	none	Score	221
Exons	6120..6410		

Seq. No.	42862	Seq. ID	OJ000320_33.0412.C4
Gene No.	89501	Strand	+
Start	452	End	524
Name	OJ000320_33.0412.C4.o1.gs	Method	GENSCAN
Start	452	End	524
GI	none	Score	.89
Exons	452..524		

Seq. No.	42863	Seq. ID	OJ000320_33.0412.C5
Gene No.	89502	Strand	-
Start	30	End	1539
Name	OJ000320_33.0412.C5.o1.gs	Method	GENSCAN
Start	30	End	1539
GI	none	Score	.82
Exons	30..390, 763..837, 1522..1539		

Seq. No.	42863	Seq. ID	OJ000320_33.0412.C5
Gene No.	89502	Strand	-
Start	30	End	1539
Name	OJ000320_33.0412.C5.o1.tm	Method	TBLASTX:Maize

Start	59	End	872
GI	none	Score	97
Exons	59..187, 61..186, 83..205, 143..328, 202..327, 303..359, 376..399, 514..582, 562..681, 563..682, 578..682, 752..838, 780..872, 780..839		

Seq. No.	42864	Seq. ID	OJ000320_33.0412.C6
Gene No.	89503	Strand	+
Start	1	End	926
Name	OJ000320_33.0412.C6.o1.np	Method	AAT/NAP
Start	1	End	926
GI	7485467	Score	216
Exons	1..30, 110..223, 349..530, 806..926		
GI Descrip.	hypothetical protein F13P17.19 - Arabidopsis thaliana gi\|3337366\|gb\|AAC27411.1\| (AC004481) nodulin-like protein [Arabidopsis thaliana]		

Seq. No.	42864	Seq. ID	OJ000320_33.0412.C6
Gene No.	89503	Strand	+
Start	1	End	926
Name	OJ000320_33.0412.C6.o1.tm	Method	TBLASTX:Maize
Start	90	End	736
GI	none	Score	134
Exons	90..233, 91..225, 107..226, 334..510, 354..509, 593..736, 595..726		

Seq. No.	42864	Seq. ID	OJ000320_33.0412.C6
Gene No.	89503	Strand	+
Start	1	End	926
Name	OJ000320_33.0412.C6.o1.ts	Method	TBLASTX:Soybean
Start	107	End	727
GI	none	Score	132
Exons	107..226, 109..228, 335..433, 337..510, 348..509, 590..700, 593..727, 595..726		

Seq. No.	42864	Seq. ID	OJ000320_33.0412.C6
Gene No.	89503	Strand	+
Start	1	End	926
Name	OJ000320_33.0412.C6.o1.gs	Method	GENSCAN
Start	110	End	724
GI	none	Score	.99
Exons	110..223, 349..510, 596..724		

Seq. No.	42864	Seq. ID	OJ000320_33.0412.C6
Gene No.	89503	Strand	+
Start	1	End	926
Name	OJ000320_33.0412.C6.o1.tc	Method	TBLASTX:Cress
Start	110	End	727
GI	none	Score	122
Exons	110..229, 117..254, 118..228, 348..503, 349..510, 349..510, 593..727, 595..726		

Seq. No.	42865	Seq. ID	OJ000320_33.0412.C7
Gene No.	89504	Strand	+
Start	1	End	4300
Name	OJ000320_33.0412.C7.o1.np	Method	AAT/NAP
Start	1	End	560

GI	7485467	Score	400
Exons	1..560		
GI Descrip.	hypothetical protein F13P17.19 - Arabidopsis thaliana gi\|3337366\|gb\|AAC27411.1\| (AC004481) nodulin-like protein [Arabidopsis thaliana]		

Seq. No.	42865	Seq. ID	OJ000320_33.0412.C7
Gene No.	89504	Strand	+
Start	1	End	4300
Name	OJ000320_33.0412.C7.o1.tm	Method	TBLASTX:Maize
Start	2	End	333
GI	none	Score	95
Exons	2..94, 3..95, 97..333, 103..333		

Seq. No.	42865	Seq. ID	OJ000320_33.0412.C7
Gene No.	89504	Strand	+
Start	1	End	4300
Name	OJ000320_33.0412.C7.o1.gs	Method	GENSCAN
Start	111	End	3592
GI	none	Score	.61
Exons	111..538, 1681..1786, 1998..2161, 2833..2885, 2912..2980, 3447..3592		

Seq. No.	42865	Seq. ID	OJ000320_33.0412.C7
Gene No.	89504	Strand	+
Start	1	End	4300
Name	OJ000320_33.0412.C7.o1.tc	Method	TBLASTX:Cress
Start	293	End	494
GI	none	Score	185
Exons	293..442, 294..494, 297..476		

Seq. No.	42865	Seq. ID	OJ000320_33.0412.C7
Gene No.	89504	Strand	+
Start	1	End	4300
Name	OJ000320_33.0412.C7.o2.np	Method	AAT/NAP
Start	1840	End	4300
GI	7340868	Score	203
Exons	1840..1961, 3518..3700, 4281..4300		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	42866	Seq. ID	OJ000320_33.0412.C9
Gene No.	89505	Strand	-
Start	875	End	1010
Name	OJ000320_33.0412.C9.o1.gs	Method	GENSCAN
Start	875	End	1010
GI	none	Score	.43
Exons	875..1010		

Seq. No.	42867	Seq. ID	OJ000320_33.0412.C11
Gene No.	89506	Strand	-
Start	1	End	1717
Name	OJ000320_33.0412.C11.o1.gp	Method	AAT/GAP
Start	1	End	312
GI	4107142	Score	519
Exons	1..312		

Seq. No.	42867	Seq. ID	OJ000320_33.0412.C11

Gene No.	89506	Strand	-
Start	1	End	1717
Name	OJ000320_33.0412.C11.o1.np	Method	AAT/NAP
Start	1	End	1717
GI	6598615	Score	248
Exons	1..96, 205..274, 333..598, 1138..1234, 1448..1717		
GI Descrip.	(AC006592) unknown protein [Arabidopsis thaliana]		

Seq. No.	42867	Seq. ID	OJ000320_33.0412.C11
Gene No.	89506	Strand	-
Start	1	End	1717
Name	OJ000320_33.0412.C11.o1.gs	Method	GENSCAN
Start	234	End	1591
GI	none	Score	.73
Exons	234..298, 379..598, 1138..1234, 1448..1591		

Seq. No.	42867	Seq. ID	OJ000320_33.0412.C11
Gene No.	89506	Strand	-
Start	1	End	1717
Name	OJ000320_33.0412.C11.o1.tm	Method	TBLASTX:Maize
Start	242	End	1192
GI	none	Score	38
Exons	242..310, 244..336, 378..530, 378..605, 418..591, 1133..1192, 1139..1192		

Seq. No.	42868	Seq. ID	OJ000320_33.0412.C12
Gene No.	89507	Strand	+
Start	3064	End	5183
Name	OJ000320_33.0412.C12.o2.np	Method	AAT/NAP
Start	2889	End	5180
GI	4127456	Score	701
Exons	2889..3031, 3803..4014, 4547..4702, 4842..4919, 5010..5180		
GI Descrip.	(AJ010818) Cpn21 protein [Arabidopsis thaliana]		

Seq. No.	42868	Seq. ID	OJ000320_33.0412.C12
Gene No.	89507	Strand	+
Start	3064	End	5183
Name	OJ000320_33.0412.C12.o2.gs	Method	GENSCAN
Start	3064	End	5183
GI	none	Score	.96
Exons	3064..3183, 3835..4014, 4547..4702, 4842..4919, 5010..5183		

Seq. No.	42868	Seq. ID	OJ000320_33.0412.C12
Gene No.	89507	Strand	+
Start	3064	End	5183
Name	OJ000320_33.0412.C12.o1.gp	Method	AAT/GAP
Start	4665	End	5092
GI	2798011	Score	325
Exons	4665..4702, 4842..4919, 5010..5092		
GI Descrip.	5921737/sp\|O65282\|CH1C_ARATH 2.0e-12 20 KD CHAPERONIN, CHLOROPLAST PRECURSOR (PROTEIN CPN10) (PROTEIN GROES) >gi_3057150 (AF059037) chaperonin 10 [Arabidopsis thaliana]		

Seq. No.	42868	Seq. ID	OJ000320_33.0412.C12
Gene No.	89508	Strand	+
Start	11829	End	13404
Name	OJ000320_33.0412.C12.o3.np	Method	AAT/NAP

Start	11820	End	13404
GI	5882730	Score	233
Exons	11820..12259, 13374..13404		
GI Descrip.	(AC008263) Similar to gb\|X94698 TINY from Arabidopsis thaliana and contains a PF\|00847 AP2 domain. EST gb\|F15362 comes from this gene. gi\|6646771\|gb\|AAF21083.1\|AC013258_21 (AC013258) putative AP2 domain transcription factor [Arabidopsis thaliana]		

Seq. No.	42868	Seq. ID	OJ000320_33.0412.C12
Gene No.	89508	Strand	+
Start	11829	End	13404
Name	OJ000320_33.0412.C12.o4.gs	Method	GENSCAN
Start	11829	End	12461
GI	none	Score	.61
Exons	11829..12461		

Seq. No.	42868	Seq. ID	OJ000320_33.0412.C12
Gene No.	89509	Strand	-
Start	1	End	2326
Name	OJ000320_33.0412.C12.o1.np	Method	AAT/NAP
Start	1	End	2317
GI	6598615	Score	671
Exons	1..35, 239..338, 415..467, 701..781, 1062..1168, 1368..1452, 1525..1692, 2011..2104, 2187..2317		
GI Descrip.	(AC006592) unknown protein [Arabidopsis thaliana]		

Seq. No.	42868	Seq. ID	OJ000320_33.0412.C12
Gene No.	89509	Strand	-
Start	1	End	2326
Name	OJ000320_33.0412.C12.o1.gs	Method	GENSCAN
Start	221	End	2326
GI	none	Score	.77
Exons	221..338, 415..467, 701..781, 1525..1685, 2011..2153, 2187..2326		

Seq. No.	42868	Seq. ID	OJ000320_33.0412.C12
Gene No.	89510	Strand	
Start	3802	End	5192
Name	OJ000320_33.0412.C12.o1.tm	Method	TBLASTX:Maize
Start	3802	End	5192
GI	none	Score	249
Exons	3802..4041, 3834..3986, 3844..3975, 4494..4703, 4537..4707, 4545..4703, 4550..4705, 4830..4922, 4841..4921, 5009..5182, 5010..5192, 5049..5147		

Seq. No.	42868	Seq. ID	OJ000320_33.0412.C12
Gene No.	89510	Strand	
Start	3802	End	5192
Name	OJ000320_33.0412.C12.o1.ts	Method	TBLASTX:Soybean
Start	3802	End	5183
GI	none	Score	257
Exons	3802..4041, 3834..3986, 3844..3975, 3846..3974, 4469..4705, 4495..4707, 4550..4705, 4670..4705, 4772..4924, 4830..4922, 4830..4922, 5009..5179, 5010..5183, 5020..5181		

Seq. No.	42868	Seq. ID	OJ000320_33.0412.C12
Gene No.	89510	Strand	
Start	3802	End	5192

Name	OJ000320_33.0412.C12.o1.tc	Method	TBLASTX:Cress
Start	3844	End	5186
GI	none	Score	105
Exons	3844..3963, 4550..4705, 4567..4707, 4772..4924, 4842..4925, 5000..5179, 5003..5182, 5007..5186, 5052..5129		

Seq. No.	42868	Seq. ID	OJ000320_33.0412.C12
Gene No.	89510	Strand	
Start	3802	End	5192
Name	OJ000320_33.0412.C12.o1.tw	Method	TBLASTX:Wheat
Start	3844	End	5147
GI	none	Score	133
Exons	3844..3975, 3849..3974, 3898..4041, 3900..3986, 3904..4053, 4544..4705, 4545..4703, 4546..4704, 4546..4707, 4547..4714, 4830..4922, 4839..4919, 4841..4921, 5008..5067, 5009..5068, 5010..5069, 5052..5147		

Seq. No.	42868	Seq. ID	OJ000320_33.0412.C12
Gene No.	89511	Strand	
Start	11864	End	12196
Name	OJ000320_33.0412.C12.o2.tc	Method	TBLASTX:Cress
Start	11864	End	12092
GI	none	Score	235
Exons	11864..12064, 11877..12035, 12042..12092		

Seq. No.	42868	Seq. ID	OJ000320_33.0412.C12
Gene No.	89511	Strand	
Start	11864	End	12196
Name	OJ000320_33.0412.C12.o2.ts	Method	TBLASTX:Soybean
Start	11874	End	12071
GI	none	Score	242
Exons	11874..12035, 11882..12025, 12042..12071		

Seq. No.	42868	Seq. ID	OJ000320_33.0412.C12
Gene No.	89511	Strand	
Start	11864	End	12196
Name	OJ000320_33.0412.C12.o2.tm	Method	TBLASTX:Maize
Start	11879	End	12196
GI	none	Score	194
Exons	11879..12025, 11880..12035, 12122..12196		

Seq. No.	42869	Seq. ID	OJ000320_33.0412.C13
Gene No.	89512	Strand	+
Start	814	End	4965
Name	OJ000320_33.0412.C13.o1.gs	Method	GENSCAN
Start	814	End	4965
GI	none	Score	.6
Exons	814..981, 1057..1164, 1196..1410, 1487..1665, 3066..3252, 3980..4004, 4837..4965		

Seq. No.	42869	Seq. ID	OJ000320_33.0412.C13
Gene No.	89513	Strand	+
Start	6596	End	17696
Name	OJ000320_33.0412.C13.o3.np	Method	AAT/NAP
Start	6596	End	17696
GI	7486652	Score	1065
Exons	6596..6622, 10581..10677, 11131..11222, 11425..11569,		

12014..12127, 12441..12593, 12689..12785, 13135..13288,
13360..13431, 13544..13609, 13942..14057, 14394..14488,
14560..14690, 14850..14911, 17674..17696

GI Descrip. hypothetical protein F8D20.250 - Arabidopsis thaliana gi|3367592|emb|CAA20044.1| (AL031135) putative protein [Arabidopsis thaliana] gi|7270526|emb|CAB81483.1| (AL161588) putative protein [Arabidopsis thaliana]

Seq. No.	42869	Seq. ID	OJ000320_33.0412.C13
Gene No.	89513	Strand	+
Start	6596	End	17696
Name	OJ000320_33.0412.C13.o3.gs	Method	GENSCAN
Start	7713	End	9266
GI	none	Score	.75
Exons	7713..8114, 8348..8362, 8736..8760, 9172..9266		

Seq. No.	42869	Seq. ID	OJ000320_33.0412.C13
Gene No.	89513	Strand	+
Start	6596	End	17696
Name	OJ000320_33.0412.C13.o5.gs	Method	GENSCAN
Start	11356	End	15991
GI	none	Score	.86
Exons	11356..11367, 11425..11565, 11669..11703, 12039..12127, 12441..12593, 12689..12714, 13139..13288, 13360..13452, 13544..13609, 13930..14057, 14397..14488, 14560..14690, 14835..14944, 15883..15991		

Seq. No.	42869	Seq. ID	OJ000320_33.0412.C13
Gene No.	89513	Strand	+
Start	6596	End	17696
Name	OJ000320_33.0412.C13.o3.gp	Method	AAT/GAP
Start	13980	End	14944
GI	LIB3431-006-P1-K1-H2	Score	702
Exons	13980..14057, 14397..14488, 14560..14690, 14835..14944		

GI Descrip. '5441896/dbj|BAA82394.1| 6.0e-29 (AP000367) ESTs D23521(C2939),C22481(C2939) correspond to a region of the predicted gene.; Similar to serine/threonine protein kinase like protein. (AL022140) [Oryza sativa]'

Seq. No.	42869	Seq. ID	OJ000320_33.0412.C13
Gene No.	89514	Strand	-
Start	5249	End	8256
Name	OJ000320_33.0412.C13.o2.gs	Method	GENSCAN
Start	5249	End	6412
GI	none	Score	.63
Exons	5249..5774, 5965..6076, 6259..6412		

Seq. No.	42869	Seq. ID	OJ000320_33.0412.C13
Gene No.	89514	Strand	-
Start	5249	End	8256
Name	OJ000320_33.0412.C13.o2.np	Method	AAT/NAP
Start	5252	End	7987
GI	7529266	Score	1607
Exons	5252..5774, 5965..6118, 6259..6507, 6981..7101, 7583..7987		

GI Descrip. (AL138654) polygalacturonase-like protein [Arabidopsis thaliana]

Seq. No.	42869	Seq. ID	OJ000320_33.0412.C13

Gene No.	89514	Strand	-
Start	5249	End	8256
Name	OJ000320_33.0412.C13.o1.gp	Method	AAT/GAP
Start	6730	End	6972
GI	5004068	Score	433
Exons	6730..6972		

Seq. No.	42869	Seq. ID	OJ000320_33.0412.C13
Gene No.	89514	Strand	-
Start	5249	End	8256
Name	OJ000320_33.0412.C13.o2.gp	Method	AAT/GAP
Start	7849	End	8256
GI	none	Score	800
Exons	7849..8256		

Seq. No.	42869	Seq. ID	OJ000320_33.0412.C13
Gene No.	89515	Strand	-
Start	9731	End	10574
Name	OJ000320_33.0412.C13.o1.tm	Method	TBLASTX:Maize
Start	5069	End	7684
GI	none	Score	35
Exons	5069..5089, 5116..5205, 5246..5776, 5249..5734, 5469..5777, 5508..5789, 5965..6120, 5967..6119, 5976..6125, 5984..6154, 6259..6510, 6260..6508, 6261..6512, 6979..7101, 6980..7102, 6981..7103, 7566..7682, 7581..7679, 7582..7680, 7586..7684		

Seq. No.	42869	Seq. ID	OJ000320_33.0412.C13
Gene No.	89515	Strand	-
Start	9731	End	10574
Name	OJ000320_33.0412.C13.o3.ts	Method	TBLASTX:Soybean
Start	5249	End	5422
GI	none	Score	131
Exons	5249..5422, 5271..5420		

Seq. No.	42869	Seq. ID	OJ000320_33.0412.C13
Gene No.	89515	Strand	-
Start	9731	End	10574
Name	OJ000320_33.0412.C13.o1.tc	Method	TBLASTX:Cress
Start	5270	End	5527
GI	none	Score	118
Exons	5270..5527, 5298..5426		

Seq. No.	42869	Seq. ID	OJ000320_33.0412.C13
Gene No.	89515	Strand	-
Start	9731	End	10574
Name	OJ000320_33.0412.C13.o1.ts	Method	TBLASTX:Soybean
Start	5423	End	7104
GI	none	Score	86
Exons	5423..5731, 5655..5774, 5721..5774, 5973..6119, 5983..6120, 6242..6286, 6287..6508, 6297..6512, 6974..7102, 6979..7104, 6979..7089		

Seq. No.	42869	Seq. ID	OJ000320_33.0412.C13
Gene No.	89515	Strand	-
Start	9731	End	10574
Name	OJ000320_33.0412.C13.o3.tc	Method	TBLASTX:Cress
Start	6245	End	6512

GI	none	Score	87
Exons	6245..6304, 6290..6508, 6297..6512		
Seq. No.	42869	Seq. ID	OJ000320_33.0412.C13
Gene No.	89515	Strand	-
Start	9731	End	10574
Name	OJ000320_33.0412.C13.o1.tw	Method	TBLASTX:Wheat
Start	6276	End	7102
GI	none	Score	173
Exons	6276..6512, 6278..6508, 6336..6512, 6979..7101, 6980..7102		
Seq. No.	42869	Seq. ID	OJ000320_33.0412.C13
Gene No.	89515	Strand	-
Start	9731	End	10574
Name	OJ000320_33.0412.C13.o2.tc	Method	TBLASTX:Cress
Start	6985	End	7786
GI	none	Score	61
Exons	6985..7101, 6986..7090, 7581..7781, 7583..7786		
Seq. No.	42869	Seq. ID	OJ000320_33.0412.C13
Gene No.	89515	Strand	-
Start	9731	End	10574
Name	OJ000320_33.0412.C13.o2.ts	Method	TBLASTX:Soybean
Start	7622	End	7795
GI	none	Score	177
Exons	7622..7795, 7623..7784, 7625..7786		
Seq. No.	42869	Seq. ID	OJ000320_33.0412.C13
Gene No.	89515	Strand	-
Start	9731	End	10574
Name	OJ000320_33.0412.C13.o4.gs	Method	GENSCAN
Start	9731	End	10574
GI	none	Score	.77
Exons	9731..10291, 10389..10574		
Seq. No.	42869	Seq. ID	OJ000320_33.0412.C13
Gene No.	89516	Strand	
Start	12443	End	12792
Name	OJ000320_33.0412.C13.o2.tm	Method	TBLASTX:Maize
Start	12443	End	12792
GI	none	Score	242
Exons	12443..12592, 12478..12591, 12677..12787, 12678..12785, 12679..12786, 12688..12792		
Seq. No.	42869	Seq. ID	OJ000320_33.0412.C13
Gene No.	89517	Strand	
Start	13118	End	14060
Name	OJ000320_33.0412.C13.o3.tm	Method	TBLASTX:Maize
Start	13118	End	14060
GI	none	Score	259
Exons	13118..13288, 13132..13290, 13138..13290, 13358..13450, 13360..13458, 13361..13459, 13570..13611, 13571..13612, 13923..14048, 13924..14049, 13924..14049, 13928..14056, 13931..14059, 13932..14060		
Seq. No.	42870	Seq. ID	OJ000320_33.0412.C16
Gene No.	89518	Strand	-

Start	1	End	953
Name	OJ000320_33.0412.C16.o1.gp	Method	AAT/GAP
Start	1	End	953
GI	11259_1.R1084	Score	924
Exons	1..378, 860..953		
GI Descrip.	'4220531/emb\|CAA23004\| 3.0e-10 (AL035356) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	42871	Seq. ID	OJ000320_33.0412.C17
Gene No.	89519	Strand	-
Start	1131	End	1544
Name	OJ000320_33.0412.C17.o1.gp	Method	AAT/GAP
Start	1131	End	1544
GI	none	Score	808
Exons	1131..1544		

Seq. No.	42871	Seq. ID	OJ000320_33.0412.C17
Gene No.	89520	Strand	-
Start	3537	End	4071
Name	OJ000320_33.0412.C17.o2.gp	Method	AAT/GAP
Start	3537	End	4071
GI	10454_1.R1084	Score	881
Exons	3537..3944, 4022..4071		
GI Descrip.	'3786009 1.0e-121 (AC005499) unknown protein [Arabidopsis thaliana]'		

Seq. No.	42871	Seq. ID	OJ000320_33.0412.C17
Gene No.	89520	Strand	-
Start	3537	End	4071
Name	OJ000320_33.0412.C17.o1.tm	Method	TBLASTX:Maize
Start	3698	End	3940
GI	none	Score	138
Exons	3698..3931, 3703..3939, 3704..3940		

Seq. No.	42871	Seq. ID	OJ000320_33.0412.C17
Gene No.	89520	Strand	-
Start	3537	End	4071
Name	OJ000320_33.0412.C17.o1.tc	Method	TBLASTX:Cress
Start	3703	End	3934
GI	none	Score	48
Exons	3703..3816, 3705..3806, 3883..3933, 3884..3934		

Seq. No.	42871	Seq. ID	OJ000320_33.0412.C17
Gene No.	89520	Strand	-
Start	3537	End	4071
Name	OJ000320_33.0412.C17.o1.ts	Method	TBLASTX:Soybean
Start	3703	End	3934
GI	none	Score	51
Exons	3703..3825, 3710..3826, 3883..3933, 3884..3934		

Seq. No.	42871	Seq. ID	OJ000320_33.0412.C17
Gene No.	89520	Strand	-
Start	3537	End	4071
Name	OJ000320_33.0412.C17.o1.np	Method	AAT/NAP
Start	3706	End	4071
GI	6822065	Score	182
Exons	3706..3935, 4031..4071		

GI Descrip. (AL132957) putative protein [Arabidopsis thaliana]

Seq. No.	42872	Seq. ID	OJ000320_33.0412.C18
Gene No.	89521	Strand	+
Start	1	End	20505
Name	OJ000320_33.0412.C18.o2.np	Method	AAT/NAP
Start	1	End	20505
GI	7485467	Score	881
Exons	1..30, 16617..16871, 17288..17819, 17924..18178, 18451..18542, 18681..18878, 18985..19176, 19277..19498, 19794..19960, 20047..20146, 20244..20300, 20392..20505		
GI Descrip.	hypothetical protein F13P17.19 - Arabidopsis thaliana gi\|3337366\|gb\|AAC27411.1\| (AC004481) nodulin-like protein [Arabidopsis thaliana]		

Seq. No.	42872	Seq. ID	OJ000320_33.0412.C18
Gene No.	89521	Strand	+
Start	1	End	20505
Name	OJ000320_33.0412.C18.o2.gs	Method	GENSCAN
Start	7486	End	11201
GI	none	Score	.86
Exons	7486..7878, 9447..10419, 10425..10838, 10971..11054, 11152..11201		

Seq. No.	42872	Seq. ID	OJ000320_33.0412.C18
Gene No.	89521	Strand	+
Start	1	End	20505
Name	OJ000320_33.0412.C18.o4.gs	Method	GENSCAN
Start	14066	End	14272
GI	none	Score	.63
Exons	14066..14272		

Seq. No.	42872	Seq. ID	OJ000320_33.0412.C18
Gene No.	89521	Strand	+
Start	1	End	20505
Name	OJ000320_33.0412.C18.o5.gs	Method	GENSCAN
Start	16332	End	20300
GI	none	Score	.83
Exons	16332..16749, 17924..18178, 18451..18542, 18681..18878, 18985..19176, 19277..19498, 19794..19960, 20053..20146, 20244..20300		

Seq. No.	42872	Seq. ID	OJ000320_33.0412.C18
Gene No.	89521	Strand	+
Start	1	End	20505
Name	OJ000320_33.0412.C18.o4.gp	Method	AAT/GAP
Start	17601	End	17946
GI	1631607	Score	440
Exons	17601..17819, 17924..17946		

Seq. No.	42872	Seq. ID	OJ000320_33.0412.C18
Gene No.	89522	Strand	-
Start	1	End	3537
Name	OJ000320_33.0412.C18.o1.gp	Method	AAT/GAP
Start	1	End	860
GI	10454_1.R1084	Score	782
Exons	1..89, 182..262, 333..458, 696..860		

GI Descrip. '3786009 1.0e-121 (AC005499) unknown protein [Arabidopsis thaliana]'

Seq. No.	42872	Seq. ID	OJ000320_33.0412.C18
Gene No.	89522	Strand	-
Start	1	End	3537
Name	OJ000320_33.0412.C18.o1.np	Method	AAT/NAP
Start	1	End	2417
GI	3786009	Score	627
Exons	1..89, 182..262, 333..458, 696..846, 928..1075, 2357..2417		
GI Descrip.	(AC005499) unknown protein [Arabidopsis thaliana]		

Seq. No.	42872	Seq. ID	OJ000320_33.0412.C18
Gene No.	89522	Strand	-
Start	1	End	3537
Name	OJ000320_33.0412.C18.o1.ts	Method	TBLASTX:Soybean
Start	2	End	1090
GI	none	Score	72
Exons	2..91, 3..92, 175..264, 176..265, 335..457, 693..848, 695..844, 929..1090, 930..1025, 935..1090		

Seq. No.	42872	Seq. ID	OJ000320_33.0412.C18
Gene No.	89522	Strand	-
Start	1	End	3537
Name	OJ000320_33.0412.C18.o1.tw	Method	TBLASTX:Wheat
Start	2	End	262
GI	none	Score	66
Exons	2..91, 6..92, 175..258, 176..262		

Seq. No.	42872	Seq. ID	OJ000320_33.0412.C18
Gene No.	89522	Strand	-
Start	1	End	3537
Name	OJ000320_33.0412.C18.o3.tm	Method	TBLASTX:Maize
Start	2	End	1090
GI	none	Score	72
Exons	2..91, 3..92, 175..264, 176..265, 193..312, 333..458, 335..457, 684..848, 695..844, 929..1030, 933..1031, 1055..1090, 1057..1080		

Seq. No.	42872	Seq. ID	OJ000320_33.0412.C18
Gene No.	89522	Strand	-
Start	1	End	3537
Name	OJ000320_33.0412.C18.o1.gs	Method	GENSCAN
Start	166	End	3353
GI	none	Score	.87
Exons	166..262, 333..458, 696..747, 928..1075, 3105..3353		

Seq. No.	42872	Seq. ID	OJ000320_33.0412.C18
Gene No.	89522	Strand	-
Start	1	End	3537
Name	OJ000320_33.0412.C18.o1.tc	Method	TBLASTX:Cress
Start	693	End	1090
GI	none	Score	139
Exons	693..848, 695..844, 929..1090, 933..1046		

Seq. No.	42872	Seq. ID	OJ000320_33.0412.C18
Gene No.	89522	Strand	-
Start	1	End	3537

Name	OJ000320_33.0412.C18.o2.gp	Method	AAT/GAP
Start	1016	End	3537
GI	none	Score	942
Exons	1016..1075, 3105..3537		

Seq. No.	42872	Seq. ID	OJ000320_33.0412.C18
Gene No.	89523	Strand	
Start	18840	End	19878
Name	OJ000320_33.0412.C18.o1.tm	Method	TBLASTX:Maize
Start	18840	End	19878
GI	none	Score	46
Exons	18840..18881, 18973..19179, 18976..19176, 18983..19177, 18984..19184, 18984..19178, 19272..19493, 19274..19489, 19277..19498, 19509..19547, 19787..19876, 19791..19877, 19792..19878		

Seq. No.	42872	Seq. ID	OJ000320_33.0412.C18
Gene No.	89524	Strand	
Start	19881	End	20505
Name	OJ000320_33.0412.C18.o2.tm	Method	TBLASTX:Maize
Start	19881	End	20505
GI	none	Score	70
Exons	19881..19964, 19881..19961, 20048..20146, 20050..20148, 20065..20148, 20242..20301, 20243..20302, 20244..20300, 20392..20505, 20394..20495		

Seq. No.	42873	Seq. ID	OJ000320_33.0412.C19
Gene No.	89525	Strand	+
Start	1954	End	14796
Name	OJ000320_33.0412.C19.o1.gs	Method	GENSCAN
Start	1954	End	13761
GI	none	Score	.55
Exons	1954..2046, 2174..2344, 2422..2470, 3235..3907, 4605..4915, 5016..5150, 5273..5437, 5645..5702, 5939..5984, 7790..7954, 8741..8819, 9088..9201, 10068..10222, 10755..10944, 11811..11951, 12755..12941, 13441..13761		

Seq. No.	42873	Seq. ID	OJ000320_33.0412.C19
Gene No.	89525	Strand	+
Start	1954	End	14796
Name	OJ000320_33.0412.C19.o1.np	Method	AAT/NAP
Start	3258	End	5922
GI	3075391	Score	524
Exons	3258..3907, 4605..5002, 5084..5150, 5313..5437, 5645..5922		
GI Descrip.	(AC004484) unknown protein [Arabidopsis thaliana]		

Seq. No.	42873	Seq. ID	OJ000320_33.0412.C19
Gene No.	89525	Strand	+
Start	1954	End	14796
Name	OJ000320_33.0412.C19.o2.gp	Method	AAT/GAP
Start	7601	End	7898
GI	3761271	Score	562
Exons	7601..7898		

Seq. No.	42873	Seq. ID	OJ000320_33.0412.C19
Gene No.	89525	Strand	+
Start	1954	End	14796

Name	OJ000320_33.0412.C19.o2.np	Method	AAT/NAP
Start	8350	End	12737
GI	4678950	Score	552
Exons	8350..8446, 8571..8652, 8747..8894, 10065..10178, 10261..10353, 10439..10559, 10667..10754, 10827..10944, 12689..12737		
GI Descrip.	(AL049711) putative protein [Arabidopsis thaliana]		

Seq. No.	42873	Seq. ID	OJ000320_33.0412.C19
Gene No.	89525	Strand	+
Start	1954	End	14796
Name	OJ000320_33.0412.C19.o3.gp	Method	AAT/GAP
Start	10070	End	10929
GI	uC-osflcyp153h08b1	Score	796
Exons	10070..10179, 10261..10353, 10439..10507, 10666..10754, 10827..10929		
GI Descrip.	'4678950/emb\|CAB41341.1\| 3.0e-40 (AL049711) putative protein [Arabidopsis thaliana]'		

Seq. No.	42873	Seq. ID	OJ000320_33.0412.C19
Gene No.	89525	Strand	+
Start	1954	End	14796
Name	OJ000320_33.0412.C19.o4.gp	Method	AAT/GAP
Start	11013	End	11611
GI	none	Score	1148
Exons	11013..11611		

Seq. No.	42873	Seq. ID	OJ000320_33.0412.C19
Gene No.	89525	Strand	+
Start	1954	End	14796
Name	OJ000320_33.0412.C19.o3.np	Method	AAT/NAP
Start	13450	End	14796
GI	7485204	Score	218
Exons	13450..13761, 14752..14796		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi\|2244965\|emb\|CAB10386.1\| (Z97340) hypothetical protein [Arabidopsis thaliana] gi\|7268356\|emb\|CAB78649.1\| (AL161543) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42873	Seq. ID	OJ000320_33.0412.C19
Gene No.	89526	Strand	-
Start	594	End	928
Name	OJ000320_33.0412.C19.o1.gp	Method	AAT/GAP
Start	594	End	928
GI	uC-osflM202074b11a1	Score	485
Exons	594..928		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	42873	Seq. ID	OJ000320_33.0412.C19
Gene No.	89527	Strand	
Start	3791	End	4952
Name	OJ000320_33.0412.C19.o4.tm	Method	TBLASTX:Maize
Start	3791	End	4952
GI	none	Score	176
Exons	3791..3910, 3794..3934, 4599..4772, 4602..4730, 4603..4776, 4603..4734, 4604..4771, 4752..4844, 4779..4844, 4780..4845, 4781..4846, 4781..4846, 4848..4952, 4853..4936		

Seq. No.	42873	Seq. ID	OJ000320_33.0412.C19
Gene No.	89528	Strand	
Start	5090	End	5930
Name	OJ000320_33.0412.C19.o3.tm	Method	TBLASTX:Maize
Start	5090	End	5930
GI	none	Score	90
Exons	5090..5155, 5091..5150, 5303..5437, 5304..5438, 5310..5438, 5338..5439, 5655..5774, 5666..5773, 5763..5840, 5769..5912, 5770..5928, 5779..5928, 5883..5930		

Seq. No.	42873	Seq. ID	OJ000320_33.0412.C19
Gene No.	89529	Strand	
Start	8366	End	9202
Name	OJ000320_33.0412.C19.o3.ts	Method	TBLASTX:Soybean
Start	8366	End	9177
GI	none	Score	96
Exons	8366..8458, 8571..8588, 8737..8829, 8934..9005, 8960..9004, 9088..9177, 9089..9175		

Seq. No.	42873	Seq. ID	OJ000320_33.0412.C19
Gene No.	89529	Strand	
Start	8366	End	9202
Name	OJ000320_33.0412.C19.o2.tm	Method	TBLASTX:Maize
Start	8380	End	9005
GI	none	Score	111
Exons	8380..8457, 8381..8458, 8569..8652, 8571..8627, 8736..8831, 8736..8837, 8737..8832, 8931..9005, 8934..9005		

Seq. No.	42873	Seq. ID	OJ000320_33.0412.C19
Gene No.	89529	Strand	
Start	8366	End	9202
Name	OJ000320_33.0412.C19.o1.tc	Method	TBLASTX:Cress
Start	8383	End	9202
GI	none	Score	103
Exons	8383..8451, 8384..8458, 8405..8458, 8570..8623, 8571..8615, 8581..8652, 8606..8647, 8746..8832, 8931..9005, 9089..9202, 9091..9198		

Seq. No.	42873	Seq. ID	OJ000320_33.0412.C19
Gene No.	89530	Strand	
Start	9116	End	11123
Name	OJ000320_33.0412.C19.o1.tm	Method	TBLASTX:Maize
Start	9116	End	10729
GI	none	Score	55
Exons	9116..9154, 9121..9153, 9157..9201, 9158..9202, 10068..10181, 10068..10178, 10069..10182, 10259..10354, 10261..10353, 10430..10507, 10437..10517, 10437..10514, 10657..10722, 10658..10729		

Seq. No.	42873	Seq. ID	OJ000320_33.0412.C19
Gene No.	89530	Strand	
Start	9116	End	11123
Name	OJ000320_33.0412.C19.o1.ts	Method	TBLASTX:Soybean
Start	10078	End	10876
GI	none	Score	47
Exons	10078..10128, 10113..10178, 10123..10182, 10259..10354,		

10261..10353, 10430..10507, 10437..10505, 10682..10753,
10829..10876

Seq. No.	42873	Seq. ID	OJ000320_33.0412.C19
Gene No.	89530	Strand	
Start	9116	End	11123
Name	OJ000320_33.0412.C19.o2.tc	Method	TBLASTX:Cress
Start	10259	End	11123
GI	none	Score	114
Exons	10259..10354, 10261..10353, 10430..10516, 10430..10513, 10437..10517, 10658..10756, 10696..10764, 10825..10890, 10826..10924, 11085..11123		

Seq. No.	42873	Seq. ID	OJ000320_33.0412.C19
Gene No.	89531	Strand	
Start	13449	End	13773
Name	OJ000320_33.0412.C19.o2.ts	Method	TBLASTX:Soybean
Start	13449	End	13773
GI	none	Score	40
Exons	13449..13511, 13492..13578, 13632..13760, 13633..13773		

Seq. No.	42873	Seq. ID	OJ000320_33.0412.C19
Gene No.	89531	Strand	
Start	13449	End	13773
Name	OJ000320_33.0412.C19.o5.tm	Method	TBLASTX:Maize
Start	13622	End	13763
GI	none	Score	97
Exons	13622..13726, 13629..13760, 13633..13761, 13635..13763		

Seq. No.	42874	Seq. ID	OJ000320_33.0412.C20
Gene No.	89532	Strand	+
Start	1	End	865
Name	OJ000320_33.0412.C20.o1.np	Method	AAT/NAP
Start	1	End	865
GI	7485204	Score	498
Exons	1..79, 201..473, 602..732, 834..865		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi\|2244965\|emb\|CAB10386.1\| (Z97340) hypothetical protein [Arabidopsis thaliana] gi\|7268356\|emb\|CAB78649.1\| (AL161543) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42874	Seq. ID	OJ000320_33.0412.C20
Gene No.	89532	Strand	+
Start	1	End	865
Name	OJ000320_33.0412.C20.o1.tm	Method	TBLASTX:Maize
Start	21	End	729
GI	none	Score	78
Exons	21..71, 23..73, 23..73, 200..472, 201..473, 201..473, 602..727, 602..727, 604..729, 604..729		

Seq. No.	42874	Seq. ID	OJ000320_33.0412.C20
Gene No.	89532	Strand	+
Start	1	End	865
Name	OJ000320_33.0412.C20.o1.ts	Method	TBLASTX:Soybean
Start	200	End	735
GI	none	Score	378
Exons	200..466, 201..476, 201..473, 595..702, 595..735, 602..703		

Seq. No.	42874	Seq. ID	OJ000320_33.0412.C20
Gene No.	89532	Strand	+
Start	1	End	865
Name	OJ000320_33.0412.C20.o1.gs	Method	GENSCAN
Start	201	End	704
GI	none	Score	.42
Exons	201..473, 602..704		

Seq. No.	42875	Seq. ID	OJ000320_24.0411.C4
Gene No.	89533	Strand	-
Start	245	End	1243
Name	OJ000320_24.0411.C4.o1.gp	Method	AAT/GAP
Start	245	End	1243
GI	none	Score	373
Exons	245..303, 1095..1243		

Seq. No.	42875	Seq. ID	OJ000320_24.0411.C4
Gene No.	89533	Strand	-
Start	245	End	1243
Name	OJ000320_24.0411.C4.o1.gs	Method	GENSCAN
Start	774	End	1158
GI	none	Score	.43
Exons	774..871, 1095..1158		

Seq. No.	42875	Seq. ID	OJ000320_24.0411.C4
Gene No.	89534	Strand	-
Start	2444	End	2576
Name	OJ000320_24.0411.C4.o2.gp	Method	AAT/GAP
Start	2444	End	2576
GI	LIB3477-003-P1-K1-E9	Score	145
Exons	2444..2576		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	42876	Seq. ID	OJ000320_24.0411.C5
Gene No.	89535	Strand	-
Start	1	End	125
Name	OJ000320_24.0411.C5.o1.gp	Method	AAT/GAP
Start	1	End	125
GI	4879898	Score	230
Exons	1..125		

Seq. No.	42876	Seq. ID	OJ000320_24.0411.C5
Gene No.	89536	Strand	-
Start	947	End	8236
Name	OJ000320_24.0411.C5.o1.np	Method	AAT/NAP
Start	938	End	4211
GI	2689720	Score	677
Exons	938..1162, 1258..1343, 1519..1601, 1709..1815, 1900..1959, 2040..2141, 2216..2314, 4113..4211		
GI Descrip.	(AF037168) DnaJ homologue [Arabidopsis thaliana]		

Seq. No.	42876	Seq. ID	OJ000320_24.0411.C5
Gene No.	89536	Strand	-
Start	947	End	8236

Name	OJ000320_24.0411.C5.o1.gs	Method	GENSCAN
Start	947	End	8236
GI	none	Score	.79
Exons	947..1154, 1253..1343, 1519..1601, 1709..1815, 1900..1959, 2040..2141, 2216..2314, 4113..4211, 6747..6881, 8126..8236		

Seq. No.	42876	Seq. ID	OJ000320_24.0411.C5
Gene No.	89536	Strand	-
Start	947	End	8236
Name	OJ000320_24.0411.C5.o2.gp	Method	AAT/GAP
Start	1767	End	4231
GI	2312476	Score	730
Exons	1767..1815, 1900..1959, 2040..2141, 2216..2314, 4113..4231		
GI Descrip.	2689720 6.0e-33 (AF037168) DnaJ homologue [Arabidopsis thaliana]		

Seq. No.	42876	Seq. ID	OJ000320_24.0411.C5
Gene No.	89537	Strand	-
Start	8216	End	8373
Name	OJ000320_24.0411.C5.o2.tm	Method	TBLASTX:Maize
Start	937	End	1588
GI	none	Score	76
Exons	937..1026, 937..1026, 945..1028, 1026..1124, 1026..1121, 1028..1126, 1034..1162, 1252..1344, 1253..1348, 1514..1588, 1517..1588		

Seq. No.	42876	Seq. ID	OJ000320_24.0411.C5
Gene No.	89537	Strand	-
Start	8216	End	8373
Name	OJ000320_24.0411.C5.o1.tc	Method	TBLASTX:Cress
Start	1250	End	2323
GI	none	Score	104
Exons	1250..1375, 1252..1344, 1514..1666, 1518..1667, 1708..1818, 1709..1816, 1894..1950, 2035..2142, 2043..2144, 2216..2323, 2229..2312		

Seq. No.	42876	Seq. ID	OJ000320_24.0411.C5
Gene No.	89537	Strand	-
Start	8216	End	8373
Name	OJ000320_24.0411.C5.o1.ts	Method	TBLASTX:Soybean
Start	1739	End	2323
GI	none	Score	99
Exons	1739..1864, 1741..1818, 1894..1956, 2020..2142, 2043..2144, 2069..2146, 2210..2305, 2214..2312, 2214..2300, 2216..2323		

Seq. No.	42876	Seq. ID	OJ000320_24.0411.C5
Gene No.	89537	Strand	-
Start	8216	End	8373
Name	OJ000320_24.0411.C5.o1.tm	Method	TBLASTX:Maize
Start	1905	End	2336
GI	none	Score	75
Exons	1905..1958, 1906..1962, 1906..1959, 2040..2144, 2041..2142, 2087..2146, 2214..2336, 2214..2318, 2216..2320		

Seq. No.	42876	Seq. ID	OJ000320_24.0411.C5
Gene No.	89537	Strand	-
Start	8216	End	8373
Name	OJ000320_24.0411.C5.o3.gp	Method	AAT/GAP

Start	8216	End	8373
GI	3279_2.R1084	Score	220
Exons	8216..8373		
GI Descrip.	'2689720 6.0e-33 (AF037168) DnaJ homologue [Arabidopsis thaliana]'		

Seq. No.	42877	Seq. ID	OJ000320_24.0411.C6
Gene No.	89538	Strand	+
Start	444	End	965
Name	OJ000320_24.0411.C6.o1.gs	Method	GENSCAN
Start	444	End	965
GI	none	Score	.9
Exons	444..965		

Seq. No.	42877	Seq. ID	OJ000320_24.0411.C6
Gene No.	89538	Strand	+
Start	444	End	965
Name	OJ000320_24.0411.C6.o1.np	Method	AAT/NAP
Start	444	End	962
GI	5031281	Score	561
Exons	444..962		
GI Descrip.	(AF139499) unknown [Prunus armeniaca]		

Seq. No.	42877	Seq. ID	OJ000320_24.0411.C6
Gene No.	89539	Strand	+
Start	2636	End	2823
Name	OJ000320_24.0411.C6.o2.gp	Method	AAT/GAP
Start	2636	End	2823
GI	none	Score	355
Exons	2636..2823		

Seq. No.	42877	Seq. ID	OJ000320_24.0411.C6
Gene No.	89540	Strand	-
Start	426	End	1293
Name	OJ000320_24.0411.C6.o1.tm	Method	TBLASTX:Maize
Start	401	End	1280
GI	none	Score	332
Exons	401..637, 426..638, 442..654, 443..655, 690..971, 702..938, 709..978, 710..961, 733..972, 975..1013, 989..1012, 1072..1116, 1072..1116, 1140..1172, 1145..1171, 1168..1227, 1169..1228, 1230..1280, 1243..1278		

Seq. No.	42877	Seq. ID	OJ000320_24.0411.C6
Gene No.	89540	Strand	-
Start	426	End	1293
Name	OJ000320_24.0411.C6.o1.gp	Method	AAT/GAP
Start	426	End	1293
GI	3279_2.R1084	Score	1676
Exons	426..1293		
GI Descrip.	'2689720 6.0e-33 (AF037168) DnaJ homologue [Arabidopsis thaliana]'		

Seq. No.	42877	Seq. ID	OJ000320_24.0411.C6
Gene No.	89540	Strand	-
Start	426	End	1293
Name	OJ000320_24.0411.C6.o1.tw	Method	TBLASTX:Wheat
Start	434	End	833

GI	none	Score	319
Exons	434..643, 441..647, 445..654, 768..833, 770..832	446..658, 702..761, 733..759,	

Seq. No.	42877	Seq. ID	OJ000320_24.0411.C6
Gene No.	89540	Strand	-
Start	426	End	1293
Name	OJ000320_24.0411.C6.o1.ts	Method	TBLASTX:Soybean
Start	444	End	972
GI	none	Score	41
Exons	444..476, 473..622, 474..641, 759..935, 770..961, 805..972	491..655, 729..965, 758..967,	

Seq. No.	42877	Seq. ID	OJ000320_24.0411.C6
Gene No.	89540	Strand	-
Start	426	End	1293
Name	OJ000320_24.0411.C6.o1.tc	Method	TBLASTX:Cress
Start	471	End	965
GI	none	Score	115
Exons	471..608, 690..965, 779..946		

Seq. No.	42877	Seq. ID	OJ000320_24.0411.C6
Gene No.	89540	Strand	-
Start	426	End	1293
Name	OJ000320_24.0411.C6.o2.tw	Method	TBLASTX:Wheat
Start	848	End	1184
GI	none	Score	183
Exons	848..961, 849..971, 853..963,	854..973, 1135..1182, 1137..1184	

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7
Gene No.	89541	Strand	+
Start	1	End	117
Name	OJ000320_24.0411.C7.o1.gp	Method	AAT/GAP
Start	1	End	117
GI	none	Score	221
Exons	1..117		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7
Gene No.	89542	Strand	+
Start	4863	End	5267
Name	OJ000320_24.0411.C7.o2.gs	Method	GENSCAN
Start	4863	End	5267
GI	none	Score	.98
Exons	4863..5267		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7
Gene No.	89543	Strand	+
Start	7633	End	16759
Name	OJ000320_24.0411.C7.o4.gp	Method	AAT/GAP
Start	7130	End	8649
GI	uC-osrocyp036h10b1	Score	814
Exons	7130..7250, 7608..7711, 8135..8300, 8604..8649		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 4.0e-20 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7
Gene No.	89543	Strand	+

Start	7633	End	16759
Name	OJ000320_24.0411.C7.o3.gs	Method	GENSCAN
Start	7633	End	13471
GI	none	Score	.69
Exons	7633..7711, 8135..8300, 8604..8805, 8899..9059, 9189..9282, 9360..9572, 11026..11244, 11568..11673, 12422..12630, 13010..13471		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7
Gene No.	89543	Strand	+
Start	7633	End	16759
Name	OJ000320_24.0411.C7.o3.np	Method	AAT/NAP
Start	8016	End	11744
GI	7413593	Score	1380
Exons	8016..8300, 8604..8805, 8899..9059, 9189..9282, 9360..9572, 10058..10128, 11019..11244, 11568..11744		
GI Descrip.	(AL163002) putative protein [Arabidopsis thaliana]		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7
Gene No.	89543	Strand	+
Start	7633	End	16759
Name	OJ000320_24.0411.C7.o5.gp	Method	AAT/GAP
Start	10061	End	12028
GI	33112_1.R1084	Score	1453
Exons	10061..10138, 11026..11244, 11568..12028		
GI Descrip.	'1363051/pir\|\|A56534 2.0e-23 P58 protein - bovine >gi_468012 (U04631) PKR inhibitor P58 [Bos taurus]'		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7
Gene No.	89543	Strand	+
Start	7633	End	16759
Name	OJ000320_24.0411.C7.o4.np	Method	AAT/NAP
Start	13050	End	16759
GI	7449055	Score	86
Exons	13050..13090, 14622..14844, 16741..16759		
GI Descrip.	probable amino acid transport protein F19I3.19 - Arabidopsis thaliana gi\|3033391\|gb\|AAC12835.1\| (AC004238) putative amino acid transporter [Arabidopsis thaliana]		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7
Gene No.	89544	Strand	+
Start	16906	End	19114
Name	OJ000320_24.0411.C7.o5.gs	Method	GENSCAN
Start	16906	End	19114
GI	none	Score	.79
Exons	16906..17146, 17490..17574, 17676..17845, 18279..18592, 18959..19114		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7
Gene No.	89544	Strand	+
Start	16906	End	19114
Name	OJ000320_24.0411.C7.o6.gp	Method	AAT/GAP
Start	18285	End	19008
GI	none	Score	696
Exons	18285..18592, 18959..19008		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7

Gene No.	89545	Strand	-
Start	132	End	7693
Name	OJ000320_24.0411.C7.o1.gs	Method	GENSCAN
Start	132	End	4511
GI	none	Score	.83
Exons	132..449, 980..1085, 1164..1357, 1557..1767, 1851..1926, 2012..2091, 2627..2722, 3314..3511, 3600..3802, 3899..4511		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7
Gene No.	89545	Strand	-
Start	132	End	7693
Name	OJ000320_24.0411.C7.o2.gp	Method	AAT/GAP
Start	306	End	1741
GI	23746_1.R1084	Score	1281
Exons	306..450, 795..882, 980..1085, 1164..1357, 1557..1741		
GI Descrip.	'557474 6.0e-18 (U15179) ORF1 [Bacteroides ovatus]'		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7
Gene No.	89545	Strand	-
Start	132	End	7693
Name	OJ000320_24.0411.C7.o1.np	Method	AAT/NAP
Start	1219	End	4293
GI	5881940	Score	397
Exons	1219..1357, 1557..1767, 1851..1926, 2012..2091, 2627..2722, 3145..3216, 3314..3511, 3600..3802, 3899..4293		
GI Descrip.	(AL117387) putative secreted protein [Streptomyces coelicolor A3(2)]		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7
Gene No.	89545	Strand	-
Start	132	End	7693
Name	OJ000320_24.0411.C7.o3.gp	Method	AAT/GAP
Start	2028	End	3646
GI	9455_1.R1084	Score	803
Exons	2028..2091, 2627..2722, 3145..3216, 3314..3511, 3600..3646		
GI Descrip.	'416325/gb\|U03454\|PRS423 2.0e-15 Yeast episomal vector pRS423 with HIS3 marker, complete sequence'		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7
Gene No.	89545	Strand	-
Start	132	End	7693
Name	OJ000320_24.0411.C7.o2.np	Method	AAT/NAP
Start	3204	End	7693
GI	5852180	Score	329
Exons	3204..3224, 6312..6751, 7607..7693		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7
Gene No.	89546	Strand	-
Start	19893	End	22143
Name	OJ000320_24.0411.C7.o2.tm	Method	TBLASTX:Maize
Start	1	End	1307
GI	none	Score	176
Exons	1..162, 2..160, 2..172, 7..183, 142..450, 144..452, 158..451, 681..737, 685..738, 794..880, 794..883, 798..884, 948..1085, 949..1086, 956..1096, 978..1088, 979..1110, 1164..1307, 1167..1307		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7
Gene No.	89546	Strand	-
Start	19893	End	22143
Name	OJ000320_24.0411.C7.o7.tc	Method	TBLASTX:Cress
Start	412	End	1356
GI	none	Score	67
Exons	412..450, 794..886, 795..902, 954..1076, 997..1068, 1158..1355, 1201..1356		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7
Gene No.	89546	Strand	-
Start	19893	End	22143
Name	OJ000320_24.0411.C7.o1.ts	Method	TBLASTX:Soybean
Start	1248	End	2094
GI	none	Score	51
Exons	1248..1316, 1252..1320, 1299..1361, 1300..1362, 1553..1600, 1555..1605, 1555..1779, 1640..1768, 1644..1772, 1645..1773, 1848..1889, 1848..1895, 1849..1896, 2011..2094, 2012..2092		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7
Gene No.	89546	Strand	-
Start	19893	End	22143
Name	OJ000320_24.0411.C7.o6.tm	Method	TBLASTX:Maize
Start	1308	End	1737
GI	none	Score	67
Exons	1308..1361, 1309..1362, 1537..1737, 1541..1729		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7
Gene No.	89546	Strand	-
Start	19893	End	22143
Name	OJ000320_24.0411.C7.o4.tc	Method	TBLASTX:Cress
Start	1708	End	2104
GI	none	Score	57
Exons	1708..1779, 1712..1780, 1848..1946, 1849..1947, 2011..2103, 2012..2104		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7
Gene No.	89546	Strand	-
Start	19893	End	22143
Name	OJ000320_24.0411.C7.o3.tm	Method	TBLASTX:Maize
Start	2627	End	3803
GI	none	Score	135
Exons	2627..2731, 2628..2744, 2629..2745, 2629..2742, 3144..3218, 3145..3222, 3146..3208, 3313..3411, 3314..3412, 3314..3415, 3479..3514, 3480..3512, 3559..3801, 3585..3803		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7
Gene No.	89546	Strand	-
Start	19893	End	22143
Name	OJ000320_24.0411.C7.o1.tc	Method	TBLASTX:Cress
Start	2636	End	4055
GI	none	Score	78
Exons	2636..2731, 2637..2729, 3145..3222, 3152..3193, 3314..3439, 3315..3434, 3329..3436, 3576..3809, 3579..3809, 3589..3810, 3897..4055		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7
Gene No.	89546	Strand	-
Start	19893	End	22143
Name	OJ000320_24.0411.C7.o3.ts	Method	TBLASTX:Soybean
Start	2651	End	3514
GI	none	Score	68
Exons	2651..2701, 2651..2731, 3144..3218, 3145..3222, 3149..3205, 3312..3413, 3314..3514, 3339..3512		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7
Gene No.	89546	Strand	-
Start	19893	End	22143
Name	OJ000320_24.0411.C7.o1.tw	Method	TBLASTX:Wheat
Start	8112	End	8770
GI	none	Score	234
Exons	8112..8300, 8122..8319, 8140..8313, 8554..8769, 8606..8770		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7
Gene No.	89546	Strand	-
Start	19893	End	22143
Name	OJ000320_24.0411.C7.o7.tm	Method	TBLASTX:Maize
Start	8122	End	8701
GI	none	Score	244
Exons	8122..8301, 8133..8303, 8134..8313, 8157..8312, 8554..8700, 8576..8701, 8609..8701		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7
Gene No.	89546	Strand	-
Start	19893	End	22143
Name	OJ000320_24.0411.C7.o5.tm	Method	TBLASTX:Maize
Start	8702	End	9411
GI	none	Score	131
Exons	8702..8806, 8704..8805, 8707..8847, 8715..8807, 8892..9059, 8896..9063, 8897..9061, 9186..9281, 9187..9312, 9187..9282, 9353..9409, 9360..9410, 9364..9411, 9364..9411		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7
Gene No.	89546	Strand	-
Start	19893	End	22143
Name	OJ000320_24.0411.C7.o6.tc	Method	TBLASTX:Cress
Start	8893	End	9440
GI	none	Score	92
Exons	8893..9063, 8895..9032, 8938..9060, 9186..9281, 9187..9282, 9332..9436, 9360..9440		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7
Gene No.	89546	Strand	-
Start	19893	End	22143
Name	OJ000320_24.0411.C7.o4.ts	Method	TBLASTX:Soybean
Start	10052	End	20188
GI	none	Score	127
Exons	10052..10138, 10057..10134, 11022..11186, 11023..11187, 11023..11187, 20093..20188		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7
Gene No.	89546	Strand	-
Start	19893	End	22143

Name	OJ000320_24.0411.C7.o8.tm	Method	TBLASTX:Maize
Start	11122	End	11939
GI	none	Score	204
Exons	11122..11247, 11123..11245, 11124..11246, 11565..11624, 11566..11637, 11567..11641, 11642..11689, 11650..11712, 11655..11756, 11656..11745, 11748..11774, 11752..11775, 11907..11939		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7
Gene No.	89546	Strand	-
Start	19893	End	22143
Name	OJ000320_24.0411.C7.o1.tm	Method	TBLASTX:Maize
Start	16719	End	17741
GI	none	Score	445
Exons	16719..17150, 16757..17146, 16765..17151, 17453..17572, 17487..17573, 17488..17574, 17488..17574, 17673..17732, 17673..17741, 17674..17739		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7
Gene No.	89546	Strand	-
Start	19893	End	22143
Name	OJ000320_24.0411.C7.o2.tc	Method	TBLASTX:Cress
Start	16770	End	17046
GI	none	Score	200
Exons	16770..16910, 16771..16926, 16771..16926, 16925..17029, 16927..17046, 16939..17028, 16941..17045		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7
Gene No.	89546	Strand	-
Start	19893	End	22143
Name	OJ000320_24.0411.C7.o3.tc	Method	TBLASTX:Cress
Start	17494	End	18430
GI	none	Score	121
Exons	17494..17577, 17495..17578, 17667..17846, 17674..17847, 18274..18372, 18275..18370, 18371..18427, 18398..18430		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7
Gene No.	89546	Strand	-
Start	19893	End	22143
Name	OJ000320_24.0411.C7.o2.ts	Method	TBLASTX:Soybean
Start	17679	End	18579
GI	none	Score	82
Exons	17679..17759, 17680..17760, 17682..17762, 17760..17846, 17761..17847, 18266..18403, 18274..18408, 18275..18406, 18457..18579, 18467..18577		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7
Gene No.	89546	Strand	-
Start	19893	End	22143
Name	OJ000320_24.0411.C7.o4.tm	Method	TBLASTX:Maize
Start	18316	End	19157
GI	none	Score	421
Exons	18316..18594, 18317..18592, 18319..18594, 18320..18607, 18360..18608, 18945..19121, 18958..19116, 18959..19123, 19118..19156, 19119..19157		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7

Gene No.	89546	Strand	-
Start	19893	End	22143
Name	OJ000320_24.0411.C7.o5.tc	Method	TBLASTX:Cress
Start	18527	End	19111
GI	none	Score	101
Exons	18527..18592, 18958..19110, 18959..19111		

Seq. No.	42878	Seq. ID	OJ000320_24.0411.C7
Gene No.	89546	Strand	-
Start	19893	End	22143
Name	OJ000320_24.0411.C7.o6.np	Method	AAT/NAP
Start	19893	End	22143
GI	422029	Score	225
Exons	19893..20036, 21883..22143		
GI Descrip.	transcription factor OBF3.2, ocs element-binding - maize gi\|297018\|emb\|CAA48904\| (X69152) ocs-element binding factor 3.2 [Zea mays]		

Seq. No.	42879	Seq. ID	OJ000320_24.0411.C8
Gene No.	89547	Strand	-
Start	1	End	4912
Name	OJ000320_24.0411.C8.o1.np	Method	AAT/NAP
Start	1	End	4903
GI	100099	Score	281
Exons	1..33, 704..898, 926..1049, 1621..1701, 2134..2282, 3225..3345, 4871..4903		
GI Descrip.	DNA-binding protein VBP1 - fava bean gi\|1372966 (M81827) CREB-like protein [Vicia faba]		

Seq. No.	42879	Seq. ID	OJ000320_24.0411.C8
Gene No.	89547	Strand	-
Start	1	End	4912
Name	OJ000320_24.0411.C8.o1.ts	Method	TBLASTX:Soybean
Start	675	End	2202
GI	none	Score	91
Exons	675..791, 701..901, 923..991, 1642..1701, 2134..2202		

Seq. No.	42879	Seq. ID	OJ000320_24.0411.C8
Gene No.	89547	Strand	-
Start	1	End	4912
Name	OJ000320_24.0411.C8.o1.tw	Method	TBLASTX:Wheat
Start	684	End	959
GI	none	Score	165
Exons	684..959, 701..958		

Seq. No.	42879	Seq. ID	OJ000320_24.0411.C8
Gene No.	89547	Strand	-
Start	1	End	4912
Name	OJ000320_24.0411.C8.o1.gs	Method	GENSCAN
Start	704	End	3593
GI	none	Score	.79
Exons	704..1002, 1457..1511, 1621..1701, 2134..2286, 2409..2644, 3518..3593		

Seq. No.	42879	Seq. ID	OJ000320_24.0411.C8
Gene No.	89547	Strand	-
Start	1	End	4912

Name	OJ000320_24.0411.C8.o1.tm	Method	TBLASTX:Maize
Start	704	End	2196
GI	none	Score	142
Exons	704..829, 704..907, 705..839, 923..1000, 957..1001, 1629..1658, 1642..1701, 2134..2196		

Seq. No.	42879	Seq. ID	OJ000320_24.0411.C8
Gene No.	89547	Strand	-
Start	1	End	4912
Name	OJ000320_24.0411.C8.o1.gp	Method	AAT/GAP
Start	4459	End	4912
GI	none	Score	884
Exons	4459..4912		

Seq. No.	42880	Seq. ID	OJ000320_24.0411.C10
Gene No.	89548	Strand	+
Start	70	End	3946
Name	OJ000320_24.0411.C10.o1.gs	Method	GENSCAN
Start	70	End	3943
GI	none	Score	.73
Exons	70..138, 876..956, 3401..3625, 3632..3943		

Seq. No.	42880	Seq. ID	OJ000320_24.0411.C10
Gene No.	89548	Strand	+
Start	70	End	3946
Name	OJ000320_24.0411.C10.o1.np	Method	AAT/NAP
Start	3372	End	3932
GI	6729532	Score	274
Exons	3372..3426, 3498..3932		
GI Descrip.	(AL132977) putative protein [Arabidopsis thaliana]		

Seq. No.	42880	Seq. ID	OJ000320_24.0411.C10
Gene No.	89548	Strand	+
Start	70	End	3946
Name	OJ000320_24.0411.C10.o1.ts	Method	TBLASTX:Soybean
Start	3548	End	3946
GI	none	Score	72
Exons	3548..3598, 3797..3946, 3811..3936		

Seq. No.	42880	Seq. ID	OJ000320_24.0411.C10
Gene No.	89548	Strand	+
Start	70	End	3946
Name	OJ000320_24.0411.C10.o1.tm	Method	TBLASTX:Maize
Start	3782	End	3943
GI	none	Score	261
Exons	3782..3943, 3811..3942		

Seq. No.	42881	Seq. ID	OJ000320_24.0411.C11
Gene No.	89549	Strand	+
Start	640	End	1122
Name	OJ000320_24.0411.C11.o1.tm	Method	TBLASTX:Maize
Start	544	End	1023
GI	none	Score	37
Exons	544..588, 620..847, 630..854, 630..875, 631..936, 919..1020, 925..1023, 927..1022		

Seq. No.	42881	Seq. ID	OJ000320_24.0411.C11

Gene No.	89549	Strand	+
Start	640	End	1122
Name	OJ000320_24.0411.C11.o1.ts	Method	TBLASTX:Soybean
Start	630	End	1023
GI	none	Score	69
Exons	630..683, 631..684, 663..875, 939..1022, 940..1023	673..888, 682..882, 931..1008,	

Seq. No.	42881	Seq. ID	OJ000320_24.0411.C11
Gene No.	89549	Strand	+
Start	640	End	1122
Name	OJ000320_24.0411.C11.o1.gs	Method	GENSCAN
Start	640	End	1020
GI	none	Score	.6
Exons	640..1020		

Seq. No.	42881	Seq. ID	OJ000320_24.0411.C11
Gene No.	89549	Strand	+
Start	640	End	1122
Name	OJ000320_24.0411.C11.o1.np	Method	AAT/NAP
Start	646	End	1122
GI	6729532	Score	190
Exons	646..1026, 1078..1122		
GI Descrip.	(AL132977) putative protein [Arabidopsis thaliana]		

Seq. No.	42882	Seq. ID	OJ000320_24.0411.C12
Gene No.	89550	Strand	+
Start	328	End	2079
Name	OJ000320_24.0411.C12.o1.tm	Method	TBLASTX:Maize
Start	325	End	971
GI	none	Score	131
Exons	325..528, 326..457, 326..529, 897..971	327..536, 328..543, 876..899,	

Seq. No.	42882	Seq. ID	OJ000320_24.0411.C12
Gene No.	89550	Strand	+
Start	328	End	2079
Name	OJ000320_24.0411.C12.o1.tc	Method	TBLASTX:Cress
Start	326	End	1561
GI	none	Score	248
Exons	326..529, 327..554, 876..959,	1451..1561	

Seq. No.	42882	Seq. ID	OJ000320_24.0411.C12
Gene No.	89550	Strand	+
Start	328	End	2079
Name	OJ000320_24.0411.C12.o1.ts	Method	TBLASTX:Soybean
Start	326	End	1561
GI	none	Score	287
Exons	326..529, 327..536, 869..967,	876..965, 1460..1561	

Seq. No.	42882	Seq. ID	OJ000320_24.0411.C12
Gene No.	89550	Strand	+
Start	328	End	2079
Name	OJ000320_24.0411.C12.o1.np	Method	AAT/NAP
Start	328	End	1597
GI	6729532	Score	329
Exons	328..542, 846..968, 1451..1597		

GI Descrip. (AL132977) putative protein [Arabidopsis thaliana]

Seq. No.	42882	Seq. ID	OJ000320_24.0411.C12
Gene No.	89550	Strand	+
Start	328	End	2079
Name	OJ000320_24.0411.C12.o1.gs	Method	GENSCAN
Start	330	End	1653
GI	none	Score	.88
Exons	330..533, 876..968, 1409..1562, 1625..1653		

Seq. No.	42882	Seq. ID	OJ000320_24.0411.C12
Gene No.	89550	Strand	+
Start	328	End	2079
Name	OJ000320_24.0411.C12.o1.gp	Method	AAT/GAP
Start	486	End	2079
GI	uC-osflcyp169f05b1	Score	444
Exons	486..533, 876..968, 1451..1562, 2025..2079		
GI Descrip.	'287938/emb\|X54204\|CVPRSET5C 6.0e-47 Cloning vector pRSET5c (pBluescript KS plus derivative)'		

Seq. No.	42883	Seq. ID	OJ000320_24.0411.C13
Gene No.	89551	Strand	+
Start	1	End	231
Name	OJ000320_24.0411.C13.o1.gp	Method	AAT/GAP
Start	1	End	231
GI	uC-osflcyp169f05b1	Score	413
Exons	1..231		
GI Descrip.	'287938/emb\|X54204\|CVPRSET5C 6.0e-47 Cloning vector pRSET5c (pBluescript KS plus derivative)'		

Seq. No.	42884	Seq. ID	OJ000320_24.0411.C14
Gene No.	89552	Strand	-
Start	4558	End	5750
Name	OJ000320_24.0411.C14.o1.gs	Method	GENSCAN
Start	4558	End	5750
GI	none	Score	.8
Exons	4558..4692, 4706..4834, 5646..5750		

Seq. No.	42884	Seq. ID	OJ000320_24.0411.C14
Gene No.	89553	Strand	-
Start	6760	End	8925
Name	OJ000320_24.0411.C14.o2.gs	Method	GENSCAN
Start	6760	End	8925
GI	none	Score	.67
Exons	6760..6892, 8843..8925		

Seq. No.	42885	Seq. ID	OJ000320_24.0411.C15
Gene No.	89554	Strand	+
Start	3367	End	9018
Name	OJ000320_24.0411.C15.o1.gp	Method	AAT/GAP
Start	3367	End	3999
GI	4715031	Score	888
Exons	3367..3833, 3927..3999		

Seq. No.	42885	Seq. ID	OJ000320_24.0411.C15
Gene No.	89554	Strand	+
Start	3367	End	9018

Name	OJ000320_24.0411.C15.o1.gs	Method	GENSCAN
Start	3455	End	5902
GI	none	Score	.81
Exons	3455..3833, 3929..4194, 4270..4528, 4970..5347, 5733..5902		

Seq. No.	42885	Seq. ID	OJ000320_24.0411.C15
Gene No.	89554	Strand	+
Start	3367	End	9018
Name	OJ000320_24.0411.C15.o1.np	Method	AAT/NAP
Start	3455	End	9015
GI	7433169	Score	2459
Exons	3455..3710, 3750..3833, 3929..4194, 4291..4528, 4970..5187, 5242..5347, 5733..5818, 7585..9015		
GI Descrip.	probable lipoxygenase (EC 1.13.11.12) (clone H1) - potato gi\|1495802\|emb\|CAA65268.1\| (X96405) 13-lipoxygenase [Solanum tuberosum]		

Seq. No.	42885	Seq. ID	OJ000320_24.0411.C15
Gene No.	89554	Strand	+
Start	3367	End	9018
Name	OJ000320_24.0411.C15.o2.gp	Method	AAT/GAP
Start	4077	End	4369
GI	LIB3432-010-P1-K1-D4	Score	348
Exons	4077..4194, 4291..4369		
GI Descrip.	'1495802/emb\|CAA65268\| 1.0e-16 (X96405) 13-lipoxygenase [Solanum tuberosum]'		

Seq. No.	42885	Seq. ID	OJ000320_24.0411.C15
Gene No.	89554	Strand	+
Start	3367	End	9018
Name	OJ000320_24.0411.C15.o2.gs	Method	GENSCAN
Start	7561	End	9018
GI	none	Score	1
Exons	7561..9018		

Seq. No.	42885	Seq. ID	OJ000320_24.0411.C15
Gene No.	89555	Strand	-
Start	8790	End	9300
Name	OJ000320_24.0411.C15.o3.gp	Method	AAT/GAP
Start	8790	End	9300
GI	1654_1.R1084	Score	995
Exons	8790..9300		
GI Descrip.	'5441896/dbj\|BAA82394.1\| 4.0e-30 (AP000367) ESTs D23521(C2939),C22481(C2939) correspond to a region of the predicted gene.; Similar to serine/threonine protein kinase like protein. (AL022140) [Oryza sativa]'		

Seq. No.	42885	Seq. ID	OJ000320_24.0411.C15
Gene No.	89556	Strand	-
Start	9749	End	11229
Name	OJ000320_24.0411.C15.o2.tm	Method	TBLASTX:Maize
Start	3644	End	4524
GI	none	Score	177
Exons	3644..3829, 3858..4106, 3859..4107, 4111..4194, 4116..4193, 4282..4479, 4290..4328, 4455..4481, 4468..4524, 4482..4520		

Seq. No.	42885	Seq. ID	OJ000320_24.0411.C15

Gene No.	89556	Strand	-
Start	9749	End	11229
Name	OJ000320_24.0411.C15.o1.tc	Method	TBLASTX:Cress
Start	3755	End	9018
GI	none	Score	74
Exons	3755..3829, 3984..4079, 3985..4086, 4117..4194, 4282..4377, 4372..4524, 4446..4511, 4993..5181, 5269..5349, 5705..5827, 5707..5826, 7578..7697, 7579..8295, 7794..8222, 8296..8631, 8457..9017, 8698..9018		

Seq. No.	42885	Seq. ID	OJ000320_24.0411.C15
Gene No.	89556	Strand	-
Start	9749	End	11229
Name	OJ000320_24.0411.C15.o1.ts	Method	TBLASTX:Soybean
Start	3991	End	9018
GI	none	Score	118
Exons	3991..4080, 3993..4073, 7693..7899, 7791..7898, 7915..8277, 7917..8207, 7924..8289, 8296..8631, 8304..8375, 8454..9014, 8701..9018		

Seq. No.	42885	Seq. ID	OJ000320_24.0411.C15
Gene No.	89556	Strand	-
Start	9749	End	11229
Name	OJ000320_24.0411.C15.o2.ts	Method	TBLASTX:Soybean
Start	4291	End	5139
GI	none	Score	298
Exons	4291..4524, 4458..4523, 4969..5139		

Seq. No.	42885	Seq. ID	OJ000320_24.0411.C15
Gene No.	89556	Strand	-
Start	9749	End	11229
Name	OJ000320_24.0411.C15.o1.tm	Method	TBLASTX:Maize
Start	4968	End	9020
GI	none	Score	185
Exons	4968..5072, 4969..5121, 5104..5187, 5133..5186, 5134..5187, 5268..5345, 5269..5349, 5734..5826, 5735..5827, 7584..7652, 7584..7652, 7585..7671, 7678..8631, 7683..7733, 7791..8222, 7897..8370, 8304..8651, 8661..9017, 8701..9018, 8926..9018, 8982..9020		

Seq. No.	42885	Seq. ID	OJ000320_24.0411.C15
Gene No.	89556	Strand	-
Start	9749	End	11229
Name	OJ000320_24.0411.C15.o1.tw	Method	TBLASTX:Wheat
Start	7786	End	8211
GI	none	Score	80
Exons	7786..7863, 7794..7925, 7930..8211, 7933..8211		

Seq. No.	42885	Seq. ID	OJ000320_24.0411.C15
Gene No.	89556	Strand	-
Start	9749	End	11229
Name	OJ000320_24.0411.C15.o2.tw	Method	TBLASTX:Wheat
Start	8272	End	8589
GI	none	Score	190
Exons	8272..8367, 8284..8484, 8478..8588, 8479..8589		

Seq. No.	42885	Seq. ID	OJ000320_24.0411.C15

Gene No.	89556	Strand	-
Start	9749	End	11229
Name	OJ000320_24.0411.C15.o4.gp	Method	AAT/GAP
Start	9530	End	9933
GI	2317427	Score	733
Exons	9530..9933		
GI Descrip.	5441896/dbj\|BAA82394.1\| 4.0e-30 (AP000367) ESTs D23521(C2939),C22481(C2939) correspond to a region of the predicted gene.; Similar to serine/threonine protein kinase like protein. (AL022140) [Oryza sativa]		

Seq. No.	42885	Seq. ID	OJ000320_24.0411.C15
Gene No.	89556	Strand	-
Start	9749	End	11229
Name	OJ000320_24.0411.C15.o2.np	Method	AAT/NAP
Start	9654	End	11229
GI	5441896	Score	1198
Exons	9654..9933, 10039..10184, 10420..10600, 10668..10807, 11202..11229		
GI Descrip.	(AP000367) ESTs D23521(C2939),C22481(C2939) correspond to a region of the predicted gene.; Similar to serine/threonine protein kinase like protein. (AL022140) [Oryza sativa]		

Seq. No.	42885	Seq. ID	OJ000320_24.0411.C15
Gene No.	89556	Strand	-
Start	9749	End	11229
Name	OJ000320_24.0411.C15.o3.gs	Method	GENSCAN
Start	9749	End	10827
GI	none	Score	.74
Exons	9749..9855, 10016..10184, 10444..10600, 10668..10827		

Seq. No.	42885	Seq. ID	OJ000320_24.0411.C15
Gene No.	89556	Strand	-
Start	9749	End	11229
Name	OJ000320_24.0411.C15.o3.ts	Method	TBLASTX:Soybean
Start	10089	End	10792
GI	none	Score	113
Exons	10089..10190, 10444..10602, 10670..10792		

Seq. No.	42885	Seq. ID	OJ000320_24.0411.C15
Gene No.	89556	Strand	-
Start	9749	End	11229
Name	OJ000320_24.0411.C15.o5.gp	Method	AAT/GAP
Start	10388	End	10816
GI	uC-osroM202025h03b1	Score	469
Exons	10388..10600, 10668..10816		
GI Descrip.	'5441896/dbj\|BAA82394.1\| 3.0e-57 (AP000367) ESTs D23521(C2939),C22481(C2939) correspond to a region of the predicted gene.; Similar to serine/threonine protein kinase like protein. (AL022140) [Oryza sativa]'		

Seq. No.	42885	Seq. ID	OJ000320_24.0411.C15
Gene No.	89556	Strand	-
Start	9749	End	11229
Name	OJ000320_24.0411.C15.o3.tm	Method	TBLASTX:Maize
Start	10444	End	10825
GI	none	Score	111

Exons	10444..10608, 10670..10825		
Seq. No.	42886	Seq. ID	OJ000320_24.0411.C16
Gene No.	89557	Strand	+
Start	8000	End	13412
Name	OJ000320_24.0411.C16.o2.gs	Method	GENSCAN
Start	8000	End	13399
GI	none	Score	.72
Exons	8000..8293, 8523..8552, 10613..13399		
Seq. No.	42886	Seq. ID	OJ000320_24.0411.C16
Gene No.	89557	Strand	+
Start	8000	End	13412
Name	OJ000320_24.0411.C16.o2.np	Method	AAT/NAP
Start	8000	End	13412
GI	5441895	Score	5235
Exons	8000..8293, 8523..8552, 10613..13412		
GI Descrip.	(AP000367) EST C96716(C10608) corresponds to a region of the predicted gene.; Similar to putative receptor protein kinase. (AC002334) [Oryza sativa]		
Seq. No.	42886	Seq. ID	OJ000320_24.0411.C16
Gene No.	89558	Strand	-
Start	1	End	13255
Name	OJ000320_24.0411.C16.o1.np	Method	AAT/NAP
Start	1	End	1205
GI	5441896	Score	911
Exons	1..167, 343..614, 1044..1205		
GI Descrip.	(AP000367) ESTs D23521(C2939),C22481(C2939) correspond to a region of the predicted gene.; Similar to serine/threonine protein kinase like protein. (AL022140) [Oryza sativa]		
Seq. No.	42886	Seq. ID	OJ000320_24.0411.C16
Gene No.	89558	Strand	-
Start	1	End	13255
Name	OJ000320_24.0411.C16.o1.gp	Method	AAT/GAP
Start	21	End	500
GI	427455	Score	506
Exons	21..167, 343..500		
GI Descrip.	5441896/dbj\|BAA82394.1\| 6.0e-29 (AP000367) ESTs D23521(C2939),C22481(C2939) correspond to a region of the predicted gene.; Similar to serine/threonine protein kinase like protein. (AL022140) [Oryza sativa]		
Seq. No.	42886	Seq. ID	OJ000320_24.0411.C16
Gene No.	89558	Strand	-
Start	1	End	13255
Name	OJ000320_24.0411.C16.o1.ts	Method	TBLASTX:Soybean
Start	47	End	13255
GI	none	Score	165
Exons	47..166, 333..407, 423..611, 10805..11269, 10808..11281, 10808..11206, 10814..11353, 10844..11509, 10871..11284, 10901..11593, 10943..11353, 10967..11692, 11012..11425, 11087..11494, 11104..11349, 11111..11710, 11122..11709, 11159..11566, 11225..11641, 11284..11514, 11303..11710, 11327..11854, 11417..11542, 11447..11854, 11516..11710, 11759..11872, 11870..12061, 11888..12067, 11894..12064,		

12101..12490, 12101..12376, 12107..12445, 12107..12499,
12107..12490, 12107..12307, 12179..12490, 12197..12316,
12227..12499, 12269..12400, 12323..12499, 12509..12721,
12509..12721, 12560..12697, 12560..12721, 12560..12721,
12560..12721, 12608..12721, 12812..12961, 12833..12961,
12836..12961, 12851..12961, 12998..13255, 12998..13201,
13010..13252, 13019..13189, 13022..13189, 13022..13189,
13142..13252

Seq. No.	42886	Seq. ID	OJ000320_24.0411.C16
Gene No.	89558	Strand	-
Start	1	End	13255
Name	OJ000320_24.0411.C16.o2.tm	Method	TBLASTX:Maize
Start	50	End	1232
GI	none	Score	136
Exons	50..166, 333..617, 334..615, 1041..1232, 1042..1128		

Seq. No.	42886	Seq. ID	OJ000320_24.0411.C16
Gene No.	89558	Strand	-
Start	1	End	13255
Name	OJ000320_24.0411.C16.o1.tc	Method	TBLASTX:Cress
Start	56	End	13255
GI	none	Score	38

Exons 56..166, 423..536, 10733..10762, 10793..11275, 10796..10990,
10799..10969, 10799..11218, 10808..11422, 10808..11059,
10838..11134, 10844..11032, 10844..11464, 10871..11299,
10901..11575, 10919..11176, 10943..11350, 10967..11638,
11012..11422, 11015..11233, 11039..11710, 11051..11185,
11087..11305, 11087..11497, 11096..11284, 11104..11268,
11104..11205, 11108..11566, 11111..11782, 11122..11349,
11249..11638, 11257..11493, 11275..11565, 11285..11542,
11302..11511, 11303..11710, 11327..11854, 11375..11782,
11447..11692, 11456..11620, 11513..11854, 11519..11710,
11528..11689, 11588..11809, 11620..11709, 11627..11710,
11867..12064, 11867..12064, 11867..12061, 11870..12061,
11879..12064, 11891..12490, 11894..12064, 11900..12064,
11942..12064, 12101..12355, 12104..12499, 12107..12430,
12107..12499, 12116..12502, 12164..12493, 12299..12499,
12509..12721, 12518..12721, 12530..12721, 12530..12721,
12542..12673, 12545..12721, 12560..12721, 12560..12721,
12574..12732, 12796..12831, 12809..12850, 12827..12961,
12833..12961, 12833..12967, 12833..12961, 12833..12961,
12833..12961, 12842..12979, 12982..13167, 12998..13240,
12998..13240, 12998..13195, 13007..13189, 13022..13255,
13022..13189, 13022..13243, 13046..13237

Seq. No.	42886	Seq. ID	OJ000320_24.0411.C16
Gene No.	89558	Strand	-
Start	1	End	13255
Name	OJ000320_24.0411.C16.o1.gs	Method	GENSCAN
Start	343	End	6779
GI	none	Score	.72

Exons 343..614, 1044..1297, 1529..1842, 2303..2374, 3066..3137,
3237..3342, 3641..3733, 4174..4477, 4524..4626, 6041..6141,
6618..6779

Seq. No.	42886	Seq. ID	OJ000320_24.0411.C16

Gene No.	89558	Strand	-
Start	1	End	13255
Name	OJ000320_24.0411.C16.o1.tw	Method	TBLASTX:Wheat
Start	10688	End	13255
GI	none	Score	63
Exons	10688..10786, 10799..11113, 10952..11263, 11030..11335, 11096..11407, 11107..11340, 11119..11268, 11168..11464, 11194..11436, 11225..11545, 11227..11556, 11303..11596, 11384..11692, 11543..11833, 11545..11709, 11867..12046, 11870..12058, 11951..12064, 12107..12331, 12236..12514, 12518..12721, 12833..12961, 12839..12961, 12992..13240, 12998..13171, 12998..13255, 13000..13179, 13064..13189		

Seq. No.	42886	Seq. ID	OJ000320_24.0411.C16
Gene No.	89558	Strand	-
Start	1	End	13255
Name	OJ000320_24.0411.C16.o1.tm	Method	TBLASTX:Maize
Start	10805	End	13240
GI	none	Score	192
Exons	10805..11275, 10808..11074, 10808..11008, 10880..11350, 10952..11443, 10952..11224, 11021..11275, 11029..11268, 11063..11368, 11095..11613, 11096..11566, 11108..11440, 11240..11710, 11312..11791, 11410..11637, 11489..11710, 11528..11854, 11528..11791, 11542..11790, 11554..11871, 11600..11854, 11759..11854, 11846..12061, 11870..12064, 11891..12061, 11894..12346, 11894..12061, 11894..12064, 11951..12067, 11965..12096, 12101..12499, 12107..12490, 12107..12292, 12164..12436, 12164..12499, 12190..12417, 12230..12502, 12236..12490, 12262..12489, 12509..12688, 12551..12724, 12560..12682, 12575..12721, 12833..12961, 12836..12961, 12839..12982, 12842..12982, 12998..13201, 13010..13126, 13019..13189, 13067..13240		

Seq. No.	42887	Seq. ID	OJ000320_24.0411.C17
Gene No.	89559	Strand	+
Start	1	End	698
Name	OJ000320_24.0411.C17.o1.np	Method	AAT/NAP
Start	1	End	695
GI	5441895	Score	1206
Exons	1..695		
GI Descrip.	(AP000367) EST C96716(C10608) corresponds to a region of the predicted gene.; Similar to putative receptor protein kinase. (AC002334) [Oryza sativa]		

Seq. No.	42887	Seq. ID	OJ000320_24.0411.C17
Gene No.	89559	Strand	+
Start	1	End	698
Name	OJ000320_24.0411.C17.o1.gs	Method	GENSCAN
Start	12	End	698
GI	none	Score	.97
Exons	12..698		

Seq. No.	42887	Seq. ID	OJ000320_24.0411.C17
Gene No.	89560	Strand	+
Start	3264	End	6461
Name	OJ000320_24.0411.C17.o1.ts	Method	TBLASTX:Soybean
Start	3	End	638

GI	none	Score	52
Exons	3..35, 69..257, 95..256, 257..391, 258..395, 432..461, 534..638		
Seq. No.	42887	Seq. ID	OJ000320_24.0411.C17
Gene No.	89560	Strand	+
Start	3264	End	6461
Name	OJ000320_24.0411.C17.o2.tm	Method	TBLASTX:Maize
Start	3	End	611
GI	none	Score	45
Exons	3..35, 69..257, 86..256, 258..395, 258..365, 263..391, 429..461, 549..611		
Seq. No.	42887	Seq. ID	OJ000320_24.0411.C17
Gene No.	89560	Strand	+
Start	3264	End	6461
Name	OJ000320_24.0411.C17.o1.tc	Method	TBLASTX:Cress
Start	6	End	377
GI	none	Score	316
Exons	6..377, 83..364		
Seq. No.	42887	Seq. ID	OJ000320_24.0411.C17
Gene No.	89560	Strand	+
Start	3264	End	6461
Name	OJ000320_24.0411.C17.o2.tw	Method	TBLASTX:Wheat
Start	69	End	383
GI	none	Score	315
Exons	69..383, 83..382		
Seq. No.	42887	Seq. ID	OJ000320_24.0411.C17
Gene No.	89560	Strand	+
Start	3264	End	6461
Name	OJ000320_24.0411.C17.o2.gs	Method	GENSCAN
Start	3264	End	6189
GI	none	Score	.66
Exons	3264..3369, 3467..3586, 4449..4675, 5146..5362, 5465..5556, 5941..6189		
Seq. No.	42887	Seq. ID	OJ000320_24.0411.C17
Gene No.	89560	Strand	+
Start	3264	End	6461
Name	OJ000320_24.0411.C17.o2.np	Method	AAT/NAP
Start	3264	End	6186
GI	5441894	Score	821
Exons	3264..3369, 3467..3547, 5465..5556, 5941..6186		
GI Descrip.	(AP000367) EST AU030111(E50640) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	42887	Seq. ID	OJ000320_24.0411.C17
Gene No.	89560	Strand	+
Start	3264	End	6461
Name	OJ000320_24.0411.C17.o1.tm	Method	TBLASTX:Maize
Start	4255	End	5256
GI	none	Score	290
Exons	4255..4473, 4257..4472, 4576..4680, 4579..4671, 4583..4681, 5143..5256, 5144..5254, 5145..5255		
Seq. No.	42887	Seq. ID	OJ000320_24.0411.C17

Gene No.	89560	Strand	+
Start	3264	End	6461
Name	OJ000320_24.0411.C17.o1.tw	Method	TBLASTX:Wheat
Start	4627	End	5559
GI	none	Score	70
Exons	4627..4680, 4631..4696, 5145..5363, 5173..5361, 5186..5389, 5467..5559, 5499..5552		

Seq. No.	42887	Seq. ID	OJ000320_24.0411.C17
Gene No.	89560	Strand	+
Start	3264	End	6461
Name	OJ000320_24.0411.C17.o3.tm	Method	TBLASTX:Maize
Start	5256	End	6033
GI	none	Score	137
Exons	5256..5351, 5257..5352, 5467..5559, 5474..5554, 5494..5556, 5499..5558, 5935..6027, 5938..6033		

Seq. No.	42887	Seq. ID	OJ000320_24.0411.C17
Gene No.	89560	Strand	+
Start	3264	End	6461
Name	OJ000320_24.0411.C17.o1.gp	Method	AAT/GAP
Start	6037	End	6461
GI	84850_1.R1084	Score	785
Exons	6037..6461		
GI Descrip.	'5441894/dbj\|BAA82392.1\| 6.0e-22 (AP000367) EST AU030111(E50640) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]'		

Seq. No.	42888	Seq. ID	OJ000310_26.0406.C1
Gene No.	89561	Strand	+
Start	3581	End	5951
Name	OJ000310_26.0406.C1.o1.np	Method	AAT/NAP
Start	3581	End	5700
GI	2129550	Score	1437
Exons	3581..3663, 3698..4313, 4666..4809, 4977..5129, 5318..5433, 5533..5700		
GI Descrip.	calcium-dependent protein kinase (EC 2.7.1.-) CDPK6 - Arabidopsis thaliana gi\|2129554\|pir\|\|S71901 calcium-dependent protein kinase 6 - Arabidopsis thaliana gi\|7428013\|pir\|\|S71774 calcium-dependent protein kinase (EC 2.7.1.-) 6 - Arabidopsis thaliana gi\|836940\|gb\|AAA67654.1\| (U20623) calcium-dependent protein kinase [Arabidopsis thaliana] gi\|836944\|gb\|AAA67656.1\| (U20625) ca		

Seq. No.	42888	Seq. ID	OJ000310_26.0406.C1
Gene No.	89561	Strand	+
Start	3581	End	5951
Name	OJ000310_26.0406.C1.o3.gp	Method	AAT/GAP
Start	4679	End	5951
GI	18069_1.R1084	Score	1047
Exons	4679..4809, 4977..5129, 5318..5433, 5533..5713, 5903..5951		
GI Descrip.	'2129550/pir\|\|S71197 1.0e-122 calcium-dependent protein kinase (EC 2.7.1.-) CDPK6 - Arabidopsis thaliana >gi_2129554_pir__S71901 calcium-dependent protein kinase 6 - Arabidopsis thaliana >gi_836940 (U20623) calcium-dependent protein kinase [Arabidopsis thaliana] >gi_836944 (U20625) calcium-dependent protein kinase [Arabidopsis thaliana]		

>gi_4454034_emb_CAA23031.1_ (AL035394) calcium-'

Seq. No.	42888	Seq. ID	OJ000310_26.0406.C1
Gene No.	89561	Strand	+
Start	3581	End	5951
Name	OJ000310_26.0406.C1.o3.gs	Method	GENSCAN
Start	4952	End	5808
GI	none	Score	.77
Exons	4952..5129, 5318..5433, 5533..5808		

Seq. No.	42888	Seq. ID	OJ000310_26.0406.C1
Gene No.	89562	Strand	-
Start	427	End	1100
Name	OJ000310_26.0406.C1.o1.gs	Method	GENSCAN
Start	427	End	1100
GI	none	Score	.94
Exons	427..602, 841..936, 1026..1100		

Seq. No.	42888	Seq. ID	OJ000310_26.0406.C1
Gene No.	89563	Strand	-
Start	1073	End	1405
Name	OJ000310_26.0406.C1.o1.gp	Method	AAT/GAP
Start	1073	End	1405
GI	uC-osf1cyp058e08b1	Score	643
Exons	1073..1405		
GI Descrip.	'6006355/dbj\|AP000559.1\|AP000559 1.0e-17 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	42888	Seq. ID	OJ000310_26.0406.C1
Gene No.	89564	Strand	-
Start	3068	End	5758
Name	OJ000310_26.0406.C1.o2.gs	Method	GENSCAN
Start	3068	End	4345
GI	none	Score	.94
Exons	3068..4345		

Seq. No.	42888	Seq. ID	OJ000310_26.0406.C1
Gene No.	89564	Strand	-
Start	3068	End	5758
Name	OJ000310_26.0406.C1.o1.tm	Method	TBLASTX:Maize
Start	3802	End	5758
GI	none	Score	829
Exons	3802..4308, 3803..4306, 4201..4308, 4659..4808, 4673..4807, 4682..4810, 4969..5127, 4975..5130, 4976..5131, 4979..5134, 5299..5442, 5317..5439, 5532..5696, 5533..5700, 5543..5758		

Seq. No.	42888	Seq. ID	OJ000310_26.0406.C1
Gene No.	89564	Strand	-
Start	3068	End	5758
Name	OJ000310_26.0406.C1.o1.ts	Method	TBLASTX:Soybean
Start	3802	End	5702
GI	none	Score	761
Exons	3802..4314, 3803..4315, 4664..4819, 4665..4808, 4678..4809, 4968..5126, 4969..5130, 4976..5131, 5308..5433, 5317..5439, 5322..5438, 5532..5696, 5533..5700, 5559..5702, 5579..5701		

Seq. No.	42888	Seq. ID	OJ000310_26.0406.C1

Gene No.	89564	Strand	-
Start	3068	End	5758
Name	OJ000310_26.0406.C1.o1.tc	Method	TBLASTX:Cress
Start	3805	End	5700
GI	none	Score	742
Exons	3805..4314, 3806..4315, 4664..4804, 4665..4805, 4975..5121, 4976..5131, 5305..5433, 5317..5439, 5322..5438, 5532..5696, 5533..5700, 5584..5652		

Seq. No.	42888	Seq. ID	OJ000310_26.0406.C1
Gene No.	89564	Strand	-
Start	3068	End	5758
Name	OJ000310_26.0406.C1.o1.tw	Method	TBLASTX:Wheat
Start	3977	End	4264
GI	none	Score	372
Exons	3977..4264, 3997..4263		

Seq. No.	42888	Seq. ID	OJ000310_26.0406.C1
Gene No.	89564	Strand	-
Start	3068	End	5758
Name	OJ000310_26.0406.C1.o2.tw	Method	TBLASTX:Wheat
Start	4265	End	5143
GI	none	Score	82
Exons	4265..4315, 4267..4314, 4658..4807, 4664..4828, 4665..4814, 4969..5115, 4976..5128, 4991..5143		

Seq. No.	42889	Seq. ID	OJ000310_26.0406.C2
Gene No.	89565	Strand	+
Start	1	End	1108
Name	OJ000310_26.0406.C2.o1.gp	Method	AAT/GAP
Start	1	End	1108
GI	18069_1.R1084	Score	988
Exons	1..23, 115..214, 705..1108		
GI Descrip.	'2129550/pir\|\|S71197 1.0e-122 calcium-dependent protein kinase (EC 2.7.1.-) CDPK6 - Arabidopsis thaliana >gi_2129554_pir__S71901 calcium-dependent protein kinase 6 - Arabidopsis thaliana >gi_836940 (U20623) calcium-dependent protein kinase [Arabidopsis thaliana] >gi_836944 (U20625) calcium-dependent protein kinase [Arabidopsis thaliana] >gi_4454034_emb_CAA23031.1_ (AL035394) calcium-'		

Seq. No.	42889	Seq. ID	OJ000310_26.0406.C2
Gene No.	89565	Strand	+
Start	1	End	1108
Name	OJ000310_26.0406.C2.o1.np	Method	AAT/NAP
Start	1	End	785
GI	2129550	Score	206
Exons	1..23, 115..214, 705..785		
GI Descrip.	calcium-dependent protein kinase (EC 2.7.1.-) CDPK6 - Arabidopsis thaliana gi\|2129554\|pir\|\|S71901 calcium-dependent protein kinase 6 - Arabidopsis thaliana gi\|7428013\|pir\|\|S71774 calcium-dependent protein kinase (EC 2.7.1.-) 6 - Arabidopsis thaliana gi\|836940\|gb\|AAA67654.1\| (U20623) calcium-dependent protein kinase [Arabidopsis thaliana] gi\|836944\|gb\|AAA67656.1\| (U20625) ca		

Seq. No.	42889	Seq. ID	OJ000310_26.0406.C2

Gene No.	89565	Strand	+
Start	1	End	1108
Name	OJ000310_26.0406.C2.o1.gs	Method	GENSCAN
Start	115	End	426
GI	none	Score	.94
Exons	115..214, 319..426		

Seq. No.	42889	Seq. ID	OJ000310_26.0406.C2
Gene No.	89566	Strand	-
Start	1428	End	4718
Name	OJ000310_26.0406.C2.o2.gs	Method	GENSCAN
Start	1428	End	4009
GI	none	Score	.93
Exons	1428..1589, 2032..2120, 2776..2875, 2969..3119, 3673..3755, 3890..4009		

Seq. No.	42889	Seq. ID	OJ000310_26.0406.C2
Gene No.	89566	Strand	-
Start	1428	End	4718
Name	OJ000310_26.0406.C2.o2.gp	Method	AAT/GAP
Start	1443	End	2114
GI	none	Score	934
Exons	1443..1864, 2032..2114		

Seq. No.	42889	Seq. ID	OJ000310_26.0406.C2
Gene No.	89566	Strand	-
Start	1428	End	4718
Name	OJ000310_26.0406.C2.o2.np	Method	AAT/NAP
Start	1712	End	4718
GI	3702327	Score	313
Exons	1712..1875, 2285..2422, 2454..2691, 2776..2875, 2925..3119, 3673..3776, 4455..4718		
GI Descrip.	(AC005397) unknown protein [Arabidopsis thaliana]		

Seq. No.	42889	Seq. ID	OJ000310_26.0406.C2
Gene No.	89566	Strand	-
Start	1428	End	4718
Name	OJ000310_26.0406.C2.o1.tm	Method	TBLASTX:Maize
Start	2474	End	4061
GI	none	Score	63
Exons	2474..2524, 2476..2547, 2574..2660, 2600..2659, 2777..2875, 2778..2879, 2779..2877, 2969..3121, 2970..3059, 3890..4006, 3891..3947, 4026..4061		

Seq. No.	42889	Seq. ID	OJ000310_26.0406.C2
Gene No.	89566	Strand	-
Start	1428	End	4718
Name	OJ000310_26.0406.C2.o1.ts	Method	TBLASTX:Soybean
Start	2777	End	3947
GI	none	Score	87
Exons	2777..2875, 2778..2870, 2969..3118, 2973..3059, 2983..3129, 3672..3761, 3673..3759, 3888..3914, 3912..3947		

Seq. No.	42889	Seq. ID	OJ000310_26.0406.C2
Gene No.	89566	Strand	-
Start	1428	End	4718
Name	OJ000310_26.0406.C2.o1.tc	Method	TBLASTX:Cress

Start	2822	End	3947
GI	none	Score	79
Exons	2822..2875, 2969..3118, 3672..3758, 3672..3761, 3673..3759, 3863..3943, 3888..3947		

Seq. No.	42889	Seq. ID	OJ000310_26.0406.C2
Gene No.	89566	Strand	-
Start	1428	End	4718
Name	OJ000310_26.0406.C2.o3.gp	Method	AAT/GAP
Start	3068	End	4152
GI	none	Score	726
Exons	3068..3119, 3673..3755, 3890..4152		

Seq. No.	42890	Seq. ID	OJ000310_26.0406.C3
Gene No.	89567	Strand	-
Start	1	End	2865
Name	OJ000310_26.0406.C3.o1.np	Method	AAT/NAP
Start	1	End	2865
GI	4680204	Score	923
Exons	1..102, 212..1333, 1429..2865		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	42890	Seq. ID	OJ000310_26.0406.C3
Gene No.	89567	Strand	-
Start	1	End	2865
Name	OJ000310_26.0406.C3.o1.gs	Method	GENSCAN
Start	236	End	2850
GI	none	Score	.71
Exons	236..512, 575..991, 1192..1333, 1429..1548, 1594..1873, 1889..2850		

Seq. No.	42890	Seq. ID	OJ000310_26.0406.C3
Gene No.	89567	Strand	-
Start	1	End	2865
Name	OJ000310_26.0406.C3.o3.np	Method	AAT/NAP
Start	661	End	2865
GI	4680204	Score	922
Exons	661..1333, 1429..2865		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	42890	Seq. ID	OJ000310_26.0406.C3
Gene No.	89568	Strand	-
Start	3575	End	7459
Name	OJ000310_26.0406.C3.o5.tw	Method	TBLASTX:Wheat
Start	1121	End	1818
GI	none	Score	54
Exons	1121..1342, 1266..1340, 1423..1497, 1738..1818		

Seq. No.	42890	Seq. ID	OJ000310_26.0406.C3
Gene No.	89568	Strand	-
Start	3575	End	7459
Name	OJ000310_26.0406.C3.o4.tw	Method	TBLASTX:Wheat
Start	1819	End	2222
GI	none	Score	42
Exons	1819..1914, 1819..1989, 1952..2119, 1984..2220, 2071..2220, 2082..2222, 2106..2222		

Seq. No.	42890	Seq. ID	OJ000310_26.0406.C3
Gene No.	89568	Strand	-
Start	3575	End	7459
Name	OJ000310_26.0406.C3.o2.gs	Method	GENSCAN
Start	3575	End	7342
GI	none	Score	.45
Exons	3575..4033, 4110..4208, 5191..5730, 6053..6234, 6700..7342		

Seq. No.	42890	Seq. ID	OJ000310_26.0406.C3
Gene No.	89568	Strand	-
Start	3575	End	7459
Name	OJ000310_26.0406.C3.o1.gp	Method	AAT/GAP
Start	4437	End	7459
GI	342_1.R1084	Score	5547
Exons	4437..7459		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	42890	Seq. ID	OJ000310_26.0406.C3
Gene No.	89568	Strand	-
Start	3575	End	7459
Name	OJ000310_26.0406.C3.o1.tw	Method	TBLASTX:Wheat
Start	5215	End	6533
GI	none	Score	123
Exons	5215..5331, 5296..5373, 5389..5499, 5390..5530, 5477..5572, 5509..5568, 5575..5616, 5575..5619, 5614..5826, 5630..5773, 5801..6532, 5813..5947, 5832..6533, 5841..6533		

Seq. No.	42890	Seq. ID	OJ000310_26.0406.C3
Gene No.	89568	Strand	-
Start	3575	End	7459
Name	OJ000310_26.0406.C3.o4.np	Method	AAT/NAP
Start	5699	End	7459
GI	6742729	Score	2796
Exons	5699..7459		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	42890	Seq. ID	OJ000310_26.0406.C3
Gene No.	89568	Strand	-
Start	3575	End	7459
Name	OJ000310_26.0406.C3.o1.tc	Method	TBLASTX:Cress
Start	5801	End	6249
GI	none	Score	181
Exons	5801..6241, 5813..6235, 5832..6245, 5832..6245, 6067..6249		

Seq. No.	42890	Seq. ID	OJ000310_26.0406.C3
Gene No.	89568	Strand	-
Start	3575	End	7459
Name	OJ000310_26.0406.C3.o1.tm	Method	TBLASTX:Maize
Start	6176	End	6556
GI	none	Score	65
Exons	6176..6406, 6176..6490, 6204..6479, 6506..6556		

Seq. No.	42890	Seq. ID	OJ000310_26.0406.C3
Gene No.	89568	Strand	-
Start	3575	End	7459
Name	OJ000310_26.0406.C3.o3.tw	Method	TBLASTX:Wheat

Start	6534	End	6944
GI	none	Score	81
Exons	6534..6620, 6536..6625, 6536..6619, 6653..6895, 6693..6875, 6881..6943, 6894..6944		

Seq. No.	42890	Seq. ID	OJ000310_26.0406.C3
Gene No.	89568	Strand	-
Start	3575	End	7459
Name	OJ000310_26.0406.C3.o1.ts	Method	TBLASTX:Soybean
Start	6977	End	7219
GI	none	Score	206
Exons	6977..7219		

Seq. No.	42890	Seq. ID	OJ000310_26.0406.C3
Gene No.	89568	Strand	-
Start	3575	End	7459
Name	OJ000310_26.0406.C3.o2.tm	Method	TBLASTX:Maize
Start	7049	End	7442
GI	none	Score	70
Exons	7049..7243, 7253..7375, 7374..7442		

Seq. No.	42890	Seq. ID	OJ000310_26.0406.C3
Gene No.	89568	Strand	-
Start	3575	End	7459
Name	OJ000310_26.0406.C3.o2.tw	Method	TBLASTX:Wheat
Start	7083	End	7452
GI	none	Score	173
Exons	7083..7289, 7088..7291, 7088..7312, 7290..7373, 7291..7374, 7292..7375, 7293..7376, 7392..7451, 7396..7452		

Seq. No.	42891	Seq. ID	OJ000310_26.0406.C5
Gene No.	89569	Strand	+
Start	487	End	1440
Name	OJ000310_26.0406.C5.o1.gs	Method	GENSCAN
Start	487	End	1440
GI	none	Score	.6
Exons	487..708, 823..1074, 1216..1440		

Seq. No.	42891	Seq. ID	OJ000310_26.0406.C5
Gene No.	89570	Strand	+
Start	11210	End	13947
Name	OJ000310_26.0406.C5.o3.gs	Method	GENSCAN
Start	11210	End	13932
GI	none	Score	.87
Exons	11210..11390, 11629..11719, 11721..12057, 12468..13109, 13219..13740, 13843..13932		

Seq. No.	42891	Seq. ID	OJ000310_26.0406.C5
Gene No.	89570	Strand	+
Start	11210	End	13947
Name	OJ000310_26.0406.C5.o3.np	Method	AAT/NAP
Start	11522	End	13947
GI	7268189	Score	284
Exons	11522..11657, 12958..13109, 13219..13459, 13565..13743, 13843..13947		
GI Descrip.	(AL161492) putative bHLH DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	42891	Seq. ID	OJ000310_26.0406.C5
Gene No.	89571	Strand	-
Start	3827	End	17029
Name	OJ000310_26.0406.C5.o1.tc	Method	TBLASTX:Cress
Start	310	End	864
GI	none	Score	60
Exons	310..411, 310..411, 502..582, 503..589, 635..736, 643..735, 826..864, 827..862		

Seq. No.	42891	Seq. ID	OJ000310_26.0406.C5
Gene No.	89571	Strand	-
Start	3827	End	17029
Name	OJ000310_26.0406.C5.o1.ts	Method	TBLASTX:Soybean
Start	310	End	868
GI	none	Score	72
Exons	310..411, 319..405, 502..582, 503..586, 635..736, 643..735, 826..861, 827..868		

Seq. No.	42891	Seq. ID	OJ000310_26.0406.C5
Gene No.	89571	Strand	-
Start	3827	End	17029
Name	OJ000310_26.0406.C5.o1.gp	Method	AAT/GAP
Start	2971	End	3561
GI	none	Score	1073
Exons	2971..3561		

Seq. No.	42891	Seq. ID	OJ000310_26.0406.C5
Gene No.	89571	Strand	-
Start	3827	End	17029
Name	OJ000310_26.0406.C5.o1.tm	Method	TBLASTX:Maize
Start	3441	End	7015
GI	none	Score	72
Exons	3441..3524, 3464..3526, 5366..5629, 5400..5624, 5435..5650, 5702..5761, 5703..5762, 5708..5764, 6603..6866, 6605..7015, 6606..6863, 6608..7015		

Seq. No.	42891	Seq. ID	OJ000310_26.0406.C5
Gene No.	89571	Strand	-
Start	3827	End	17029
Name	OJ000310_26.0406.C5.o1.np	Method	AAT/NAP
Start	3476	End	17029
GI	6850858	Score	470
Exons	3476..3527, 5400..5623, 5702..5762, 6609..6783, 6811..6894, 7047..7302, 7654..7943, 16989..17029		
GI Descrip.	(AL132959) putative protein [Arabidopsis thaliana]		

Seq. No.	42891	Seq. ID	OJ000310_26.0406.C5
Gene No.	89571	Strand	-
Start	3827	End	17029
Name	OJ000310_26.0406.C5.o2.gs	Method	GENSCAN
Start	3827	End	10759
GI	none	Score	.83
Exons	3827..3929, 5400..5665, 5702..5762, 6609..8671, 8685..8770, 8807..9019, 10064..10144, 10630..10759		

Seq. No.	42891	Seq. ID	OJ000310_26.0406.C5

Gene No.	89571	Strand	-
Start	3827	End	17029
Name	OJ000310_26.0406.C5.o2.tc	Method	TBLASTX:Cress
Start	5399	End	5762
GI	none	Score	89
Exons	5399..5629, 5499..5624, 5702..5761, 5703..5762		

Seq. No.	42891	Seq. ID	OJ000310_26.0406.C5
Gene No.	89571	Strand	-
Start	3827	End	17029
Name	OJ000310_26.0406.C5.o2.ts	Method	TBLASTX:Soybean
Start	5399	End	6664
GI	none	Score	130
Exons	5399..5629, 5400..5624, 5702..5758, 5703..5762, 6608..6664		

Seq. No.	42891	Seq. ID	OJ000310_26.0406.C5
Gene No.	89571	Strand	-
Start	3827	End	17029
Name	OJ000310_26.0406.C5.o2.gp	Method	AAT/GAP
Start	6846	End	7277
GI	none	Score	798
Exons	6846..7277		

Seq. No.	42891	Seq. ID	OJ000310_26.0406.C5
Gene No.	89571	Strand	-
Start	3827	End	17029
Name	OJ000310_26.0406.C5.o2.tm	Method	TBLASTX:Maize
Start	7811	End	8093
GI	none	Score	273
Exons	7811..8092, 7827..8093, 7833..8093		

Seq. No.	42891	Seq. ID	OJ000310_26.0406.C5
Gene No.	89571	Strand	-
Start	3827	End	17029
Name	OJ000310_26.0406.C5.o3.ts	Method	TBLASTX:Soybean
Start	12918	End	13317
GI	none	Score	206
Exons	12918..13109, 12971..13108, 13218..13301, 13219..13317		

Seq. No.	42891	Seq. ID	OJ000310_26.0406.C5
Gene No.	89571	Strand	-
Start	3827	End	17029
Name	OJ000310_26.0406.C5.o3.tm	Method	TBLASTX:Maize
Start	12971	End	13296
GI	none	Score	150
Exons	12971..13090, 12972..13109, 13219..13296		

Seq. No.	42891	Seq. ID	OJ000310_26.0406.C5
Gene No.	89571	Strand	-
Start	3827	End	17029
Name	OJ000310_26.0406.C5.o4.gs	Method	GENSCAN
Start	15369	End	15728
GI	none	Score	.53
Exons	15369..15383, 15483..15599, 15651..15728		

Seq. No.	42891	Seq. ID	OJ000310_26.0406.C5
Gene No.	89571	Strand	-

Start	3827	End	17029
Name	OJ000310_26.0406.C5.o4.gp	Method	AAT/GAP
Start	16834	End	17029
GI	16452_2.R1084	Score	293
Exons	16834..17029		
GI Descrip.	'4559380/gb\|AAD23040.1\|AC006526_5 2.0e-26 (AC006526) putative auxin-responsive GH3 protein [Arabidopsis thaliana]'		

Seq. No.	42892	Seq. ID	OJ000310_26.0406.C11
Gene No.	89572	Strand	-
Start	1960	End	2098
Name	OJ000310_26.0406.C11.o1.gp	Method	AAT/GAP
Start	1960	End	2098
GI	LIB3434-032-P1-K1-D5	Score	264
Exons	1960..2098		
GI Descrip.	'2191150 3.0e-35 (AF007269) similar to mitochondrial carrier family [Arabidopsis thaliana]'		

Seq. No.	42893	Seq. ID	OJ000310_26.0406.C12
Gene No.	89573	Strand	+
Start	3278	End	6009
Name	OJ000310_26.0406.C12.o1.np	Method	AAT/NAP
Start	1724	End	2076
GI	5803254	Score	227
Exons	1724..2076		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	42893	Seq. ID	OJ000310_26.0406.C12
Gene No.	89573	Strand	+
Start	3278	End	6009
Name	OJ000310_26.0406.C12.o2.gs	Method	GENSCAN
Start	3278	End	5377
GI	none	Score	1
Exons	3278..5377		

Seq. No.	42893	Seq. ID	OJ000310_26.0406.C12
Gene No.	89573	Strand	+
Start	3278	End	6009
Name	OJ000310_26.0406.C12.o2.np	Method	AAT/NAP
Start	3278	End	6009
GI	2505884	Score	1068
Exons	3278..5136, 5890..6009		
GI Descrip.	(Y12776) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42893	Seq. ID	OJ000310_26.0406.C12
Gene No.	89574	Strand	-
Start	248	End	847
Name	OJ000310_26.0406.C12.o1.gs	Method	GENSCAN
Start	248	End	822
GI	none	Score	.44
Exons	248..360, 411..461, 753..822		

Seq. No.	42893	Seq. ID	OJ000310_26.0406.C12
Gene No.	89574	Strand	-
Start	248	End	847

Name	OJ000310_26.0406.C12.o1.gp	Method	AAT/GAP
Start	661	End	847
GI	LIB3434-032-P1-K1-D5	Score	303
Exons	661..847		
GI Descrip.	'2191150 3.0e-35 (AF007269) similar to mitochondrial carrier family [Arabidopsis thaliana]'		

Seq. No.	42893	Seq. ID	OJ000310_26.0406.C12
Gene No.	89575	Strand	-
Start	5666	End	10262
Name	OJ000310_26.0406.C12.o2.gp	Method	AAT/GAP
Start	5666	End	6320
GI	4716800	Score	1059
Exons	5666..6029, 6130..6320		
GI Descrip.	2191150 3.0e-35 (AF007269) similar to mitochondrial carrier family [Arabidopsis thaliana]		

Seq. No.	42893	Seq. ID	OJ000310_26.0406.C12
Gene No.	89575	Strand	-
Start	5666	End	10262
Name	OJ000310_26.0406.C12.o3.gs	Method	GENSCAN
Start	5946	End	10071
GI	none	Score	.85
Exons	5946..6029, 6130..6468, 6560..6673, 6762..6874, 7969..8006, 8234..8397, 8665..8713, 9905..10071		

Seq. No.	42893	Seq. ID	OJ000310_26.0406.C12
Gene No.	89575	Strand	-
Start	5666	End	10262
Name	OJ000310_26.0406.C12.o3.np	Method	AAT/NAP
Start	5949	End	10071
GI	7441719	Score	1233
Exons	5949..6029, 6130..6468, 6560..6673, 6762..6874, 7969..8006, 8234..8397, 8665..8713, 9905..10071		
GI Descrip.	mitochondrial solute carrier protein homolog - Arabidopsis thaliana gi\|2191150\|gb\|AAB61037.1\| (AF007269) similar to mitochondrial carrier family [Arabidopsis thaliana] gi\|7267607\|emb\|CAB80919.1\| (AL161491) putative carrier protein [Arabidopsis thaliana]		

Seq. No.	42893	Seq. ID	OJ000310_26.0406.C12
Gene No.	89575	Strand	-
Start	5666	End	10262
Name	OJ000310_26.0406.C12.o3.gp	Method	AAT/GAP
Start	6606	End	10262
GI	26990_1.R1084	Score	1450
Exons	6606..6673, 6762..6874, 7969..8006, 8234..8397, 8665..8713, 9905..10262		
GI Descrip.	'2191150 5.0e-77 (AF007269) similar to mitochondrial carrier family [Arabidopsis thaliana]'		

Seq. No.	42893	Seq. ID	OJ000310_26.0406.C12
Gene No.	89576	Strand	-
Start	17031	End	17275
Name	OJ000310_26.0406.C12.o2.tm	Method	TBLASTX:Maize
Start	1753	End	2065
GI	none	Score	130

Exons	1753..1899, 1765..1887, 1954..2064, 1995..2063, 2012..2065		
Seq. No.	42893	Seq. ID	OJ000310_26.0406.C12
Gene No.	89576	Strand	-
Start	17031	End	17275
Name	OJ000310_26.0406.C12.o1.tm	Method	TBLASTX:Maize
Start	5619	End	10080
GI	none	Score	60
Exons	5619..5711, 5649..5711, 5697..5729, 5713..5733, 5733..5759, 5734..5757, 5774..5839, 5796..5840, 5809..5841, 5857..5883, 5859..5891, 5860..5925, 5881..5952, 5942..5974, 5943..6032, 5946..6032, 5979..6032, 6124..6468, 6124..6234, 6124..6240, 6128..6469, 6277..6375, 6283..6387, 6557..6679, 6557..6667, 6558..6674, 6560..6679, 6762..6875, 6766..6876, 6771..6872, 6797..6880, 8206..8361, 8215..8376, 8224..8415, 8237..8398, 8245..8394, 8662..8712, 9904..10080, 9937..10074		
Seq. No.	42893	Seq. ID	OJ000310_26.0406.C12
Gene No.	89576	Strand	-
Start	17031	End	17275
Name	OJ000310_26.0406.C12.o1.ts	Method	TBLASTX:Soybean
Start	5946	End	10038
GI	none	Score	100
Exons	5946..6032, 5950..6030, 5955..6038, 5979..6032, 6116..6244, 6124..6243, 6124..6222, 6124..6225, 6129..6251, 6129..6251, 6221..6466, 6232..6468, 6233..6466, 6235..6468, 6262..6357, 6557..6679, 6557..6667, 6561..6677, 6562..6681, 6762..6845, 6762..6845, 6763..6846, 6837..6875, 6841..6876, 8215..8376, 8224..8415, 8234..8425, 8245..8379, 8662..8712, 9904..9975, 9937..9975, 9973..10038, 9973..10038		
Seq. No.	42893	Seq. ID	OJ000310_26.0406.C12
Gene No.	89576	Strand	-
Start	17031	End	17275
Name	OJ000310_26.0406.C12.o1.tc	Method	TBLASTX:Cress
Start	6187	End	6602
GI	none	Score	50
Exons	6187..6243, 6188..6244, 6230..6466, 6232..6468, 6233..6469, 6557..6601, 6558..6602		
Seq. No.	42893	Seq. ID	OJ000310_26.0406.C12
Gene No.	89576	Strand	-
Start	17031	End	17275
Name	OJ000310_26.0406.C12.o4.np	Method	AAT/NAP
Start	16846	End	17275
GI	7228450	Score	158
Exons	16846..16961, 17064..17275		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		
Seq. No.	42893	Seq. ID	OJ000310_26.0406.C12
Gene No.	89576	Strand	-
Start	17031	End	17275
Name	OJ000310_26.0406.C12.o6.gs	Method	GENSCAN
Start	17031	End	17135
GI	none	Score	.54
Exons	17031..17135		

Seq. No.	42894	Seq. ID	OJ000320_15.0411.C2
Gene No.	89577	Strand	-
Start	1	End	2536
Name	OJ000320_15.0411.C2.o1.gp	Method	AAT/GAP
Start	1	End	573
GI	LIB3432-034-P2-K1-F9	Score	196
Exons	1..38, 486..573		
GI Descrip.	'5916445/gb\|AAD55956.1\|AC007633_5 2.0e-47 (AC007633) putative protein [Arabidopsis thaliana]'		

Seq. No.	42894	Seq. ID	OJ000320_15.0411.C2
Gene No.	89577	Strand	-
Start	1	End	2536
Name	OJ000320_15.0411.C2.o1.np	Method	AAT/NAP
Start	1	End	1057
GI	3461817	Score	165
Exons	1..38, 486..685, 764..847, 971..1057		
GI Descrip.	(AC004138) unknown protein [Arabidopsis thaliana]		

Seq. No.	42894	Seq. ID	OJ000320_15.0411.C2
Gene No.	89577	Strand	-
Start	1	End	2536
Name	OJ000320_15.0411.C2.o2.ts	Method	TBLASTX:Soybean
Start	3	End	666
GI	none	Score	86
Exons	3..41, 474..662, 480..638, 481..666		

Seq. No.	42894	Seq. ID	OJ000320_15.0411.C2
Gene No.	89577	Strand	-
Start	1	End	2536
Name	OJ000320_15.0411.C2.o1.tm	Method	TBLASTX:Maize
Start	469	End	999
GI	none	Score	135
Exons	469..576, 473..577, 474..578, 491..577, 577..684, 579..686, 586..687, 588..776, 759..875, 759..872, 794..874, 970..999, 978..998		

Seq. No.	42894	Seq. ID	OJ000320_15.0411.C2
Gene No.	89577	Strand	-
Start	1	End	2536
Name	OJ000320_15.0411.C2.o1.gs	Method	GENSCAN
Start	486	End	2536
GI	none	Score	.68
Exons	486..685, 794..873, 979..1192, 1290..1532, 2296..2536		

Seq. No.	42894	Seq. ID	OJ000320_15.0411.C2
Gene No.	89577	Strand	-
Start	1	End	2536
Name	OJ000320_15.0411.C2.o1.ts	Method	TBLASTX:Soybean
Start	759	End	1354
GI	none	Score	65
Exons	759..872, 783..875, 966..1058, 970..1209, 976..1053, 978..1199, 1291..1353, 1292..1354		

Seq. No.	42894	Seq. ID	OJ000320_15.0411.C2
Gene No.	89577	Strand	-
Start	1	End	2536

Name	OJ000320_15.0411.C2.o2.tm	Method	TBLASTX:Maize
Start	1000	End	1453
GI	none	Score	245
Exons	1000..1209, 1001..1111, 1002..1199, 1291..1353, 1292..1351, 1347..1451, 1354..1452, 1355..1453		

Seq. No.	42895	Seq. ID	OJ000320_15.0411.C3
Gene No.	89578	Strand	-
Start	642	End	1664
Name	OJ000320_15.0411.C3.o1.gp	Method	AAT/GAP
Start	376	End	835
GI	3760676	Score	887
Exons	376..835		

Seq. No.	42895	Seq. ID	OJ000320_15.0411.C3
Gene No.	89578	Strand	-
Start	642	End	1664
Name	OJ000320_15.0411.C3.o1.gs	Method	GENSCAN
Start	642	End	1664
GI	none	Score	.96
Exons	642..940, 1457..1664		

Seq. No.	42896	Seq. ID	OJ000320_15.0411.C4
Gene No.	89579	Strand	-
Start	470	End	1725
Name	OJ000320_15.0411.C4.o1.gs	Method	GENSCAN
Start	470	End	1725
GI	none	Score	.77
Exons	470..554, 798..1191, 1297..1422, 1683..1725		

Seq. No.	42896	Seq. ID	OJ000320_15.0411.C4
Gene No.	89580	Strand	-
Start	3093	End	4119
Name	OJ000320_15.0411.C4.o2.gs	Method	GENSCAN
Start	3093	End	3982
GI	none	Score	.75
Exons	3093..3439, 3742..3982		

Seq. No.	42896	Seq. ID	OJ000320_15.0411.C4
Gene No.	89580	Strand	-
Start	3093	End	4119
Name	OJ000320_15.0411.C4.o1.gp	Method	AAT/GAP
Start	3742	End	4119
GI	none	Score	717
Exons	3742..4119		

Seq. No.	42897	Seq. ID	OJ000320_15.0411.C5
Gene No.	89581	Strand	+
Start	5154	End	6634
Name	OJ000320_15.0411.C5.o3.gs	Method	GENSCAN
Start	5154	End	6634
GI	none	Score	.67
Exons	5154..5240, 6229..6463, 6489..6634		

Seq. No.	42897	Seq. ID	OJ000320_15.0411.C5
Gene No.	89582	Strand	-
Start	872	End	2895

Name	OJ000320_15.0411.C5.o1.np	Method	AAT/NAP
Start	767	End	1361
GI	4773907	Score	93
Exons	767..1361		
GI Descrip.	(AF074021) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42897	Seq. ID	OJ000320_15.0411.C5
Gene No.	89582	Strand	-
Start	872	End	2895
Name	OJ000320_15.0411.C5.o1.tm	Method	TBLASTX:Maize
Start	870	End	2895
GI	none	Score	81
Exons	870..998, 872..1033, 872..1000, 992..1084, 2716..2775, 2872..2895		

Seq. No.	42897	Seq. ID	OJ000320_15.0411.C5
Gene No.	89582	Strand	-
Start	872	End	2895
Name	OJ000320_15.0411.C5.o1.gs	Method	GENSCAN
Start	872	End	1593
GI	none	Score	.87
Exons	872..1393, 1540..1593		

Seq. No.	42898	Seq. ID	OJ000320_15.0411.C7
Gene No.	89583	Strand	+
Start	93	End	7287
Name	OJ000320_15.0411.C7.o1.np	Method	AAT/NAP
Start	93	End	1898
GI	4512674	Score	984
Exons	93..1427, 1830..1898		
GI Descrip.	(AC006931) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42898	Seq. ID	OJ000320_15.0411.C7
Gene No.	89583	Strand	+
Start	93	End	7287
Name	OJ000320_15.0411.C7.o1.gp	Method	AAT/GAP
Start	97	End	483
GI	76034_1.R1084	Score	694
Exons	97..483		
GI Descrip.	'4512674/gb\|AAD21728.1\| 3.0e-14 (AC006931) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	42898	Seq. ID	OJ000320_15.0411.C7
Gene No.	89583	Strand	+
Start	93	End	7287
Name	OJ000320_15.0411.C7.o1.gs	Method	GENSCAN
Start	114	End	1529
GI	none	Score	1
Exons	114..1529		

Seq. No.	42898	Seq. ID	OJ000320_15.0411.C7
Gene No.	89583	Strand	+
Start	93	End	7287
Name	OJ000320_15.0411.C7.o2.np	Method	AAT/NAP
Start	634	End	7287
GI	7484957	Score	239
Exons	634..1384, 4446..4521, 6469..6591, 6862..7287		

GI Descrip.	extensin homolog F28A21.80 - Arabidopsis thaliana gi\|4539386\|emb\|CAB37452.1\| (AL035526) extensin-like protein [Arabidopsis thaliana] gi\|7268661\|emb\|CAB78869.1\| (AL161549) extensin-like protein [Arabidopsis thaliana]		
Seq. No.	42898	Seq. ID	OJ000320_15.0411.C7
Gene No.	89583	Strand	+
Start	93	End	7287
Name	OJ000320_15.0411.C7.o3.gs	Method	GENSCAN
Start	6498	End	7183
GI	none	Score	.49
Exons	6498..6587, 6607..6717, 7085..7183		
Seq. No.	42898	Seq. ID	OJ000320_15.0411.C7
Gene No.	89583	Strand	+
Start	93	End	7287
Name	OJ000320_15.0411.C7.o3.gp	Method	AAT/GAP
Start	7006	End	7183
GI	181_1.R1084	Score	336
Exons	7006..7183		
GI Descrip.	'4107009/dbj\|BAA36298\| 0.0e+00 (D82039) OSK1 [Oryza sativa]'		
Seq. No.	42898	Seq. ID	OJ000320_15.0411.C7
Gene No.	89584	Strand	-
Start	890	End	1451
Name	OJ000320_15.0411.C7.o2.gp	Method	AAT/GAP
Start	890	End	1451
GI	90998_1.R1084	Score	1082
Exons	890..1451		
GI Descrip.	'4512674/gb\|AAD21728.1\| 1.0e-21 (AC006931) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	42898	Seq. ID	OJ000320_15.0411.C7
Gene No.	89585	Strand	-
Start	3804	End	4757
Name	OJ000320_15.0411.C7.o1.tm	Method	TBLASTX:Maize
Start	555	End	1325
GI	none	Score	69
Exons	555..641, 642..947, 666..1046, 882..1325, 882..1085, 893..1249		
Seq. No.	42898	Seq. ID	OJ000320_15.0411.C7
Gene No.	89585	Strand	-
Start	3804	End	4757
Name	OJ000320_15.0411.C7.o1.tc	Method	TBLASTX:Cress
Start	567	End	1301
GI	none	Score	43
Exons	567..662, 630..752, 630..1262, 633..926, 642..1232, 642..923, 642..1103, 648..947, 681..1019, 693..1235, 753..1100, 765..1241, 966..1235, 972..1184, 1026..1235, 1076..1189, 1284..1301		
Seq. No.	42898	Seq. ID	OJ000320_15.0411.C7
Gene No.	89585	Strand	-
Start	3804	End	4757
Name	OJ000320_15.0411.C7.o1.ts	Method	TBLASTX:Soybean
Start	567	End	1274
GI	none	Score	253
Exons	567..1100, 633..947, 642..1250, 705..1235, 719..964, 855..1241,		

1014..1274, 1076..1240

Seq. No.	42898	Seq. ID	OJ000320_15.0411.C7
Gene No.	89585	Strand	-
Start	3804	End	4757
Name	OJ000320_15.0411.C7.o1.tw	Method	TBLASTX:Wheat
Start	642	End	1369
GI	none	Score	150
Exons	642..860, 684..1004, 756..1070, 909..1220, 1307..1369		

Seq. No.	42898	Seq. ID	OJ000320_15.0411.C7
Gene No.	89585	Strand	-
Start	3804	End	4757
Name	OJ000320_15.0411.C7.o2.gs	Method	GENSCAN
Start	3804	End	4757
GI	none	Score	.67
Exons	3804..3963, 3989..4024, 4240..4404, 4744..4757		

Seq. No.	42899	Seq. ID	OJ000320_15.0411.C9
Gene No.	89586	Strand	+
Start	1	End	2923
Name	OJ000320_15.0411.C9.o1.gp	Method	AAT/GAP
Start	1	End	2923
GI	181_1.R1084	Score	3511
Exons	1..173, 399..581, 682..813, 907..1092, 1185..1274, 1350..1433, 1560..1700, 1788..2015, 2302..2923		
GI Descrip.	'4107009/dbj\|BAA36298\| 0.0e+00 (D82039) OSK1 [Oryza sativa]'		

Seq. No.	42899	Seq. ID	OJ000320_15.0411.C9
Gene No.	89586	Strand	+
Start	1	End	2923
Name	OJ000320_15.0411.C9.o1.np	Method	AAT/NAP
Start	1	End	2412
GI	4107009	Score	2099
Exons	1..173, 399..581, 682..813, 907..1092, 1185..1274, 1350..1433, 1560..1700, 1788..2015, 2302..2412		
GI Descrip.	(D82039) OSK1 [Oryza sativa]		

Seq. No.	42899	Seq. ID	OJ000320_15.0411.C9
Gene No.	89586	Strand	+
Start	1	End	2923
Name	OJ000320_15.0411.C9.o1.gs	Method	GENSCAN
Start	21	End	2212
GI	none	Score	.86
Exons	21..173, 399..581, 682..813, 907..1092, 1350..1433, 1560..1700, 1788..2015, 2198..2212		

Seq. No.	42899	Seq. ID	OJ000320_15.0411.C9
Gene No.	89587	Strand	-
Start	3286	End	9147
Name	OJ000320_15.0411.C9.o1.tm	Method	TBLASTX:Maize
Start	1	End	2589
GI	none	Score	291
Exons	1..168, 2..172, 3..176, 3..173, 389..583, 398..583, 399..584, 681..812, 682..813, 904..1092, 906..1094, 906..1094, 907..1095, 1185..1274, 1195..1299, 1196..1300, 1347..1433, 1349..1438, 1349..1435, 1535..1642, 1536..1643, 1649..1705, 1650..1700,		

1776..1913, 1785..1931, 1834..1938, 1846..1938, 1962..2018,
2296..2400, 2299..2412, 2300..2419, 2307..2450, 2307..2417,
2500..2589, 2507..2539

Seq. No.	42899	Seq. ID	OJ000320_15.0411.C9
Gene No.	89587	Strand	-
Start	3286	End	9147
Name	OJ000320_15.0411.C9.o1.ts	Method	TBLASTX:Soybean
Start	2	End	2417
GI	none	Score	270
Exons	2..172, 3..176, 46..183, 387..569, 389..583, 398..583, 399..584, 681..812, 682..813, 906..1091, 906..1091, 907..1095, 1181..1225, 1185..1274, 1213..1296, 1217..1282, 1347..1433, 1352..1420, 1363..1434, 1535..1705, 1536..1700, 1633..1722, 1785..1880, 1787..1873, 1844..1882, 1923..1988, 2282..2386, 2292..2417, 2296..2400		

Seq. No.	42899	Seq. ID	OJ000320_15.0411.C9
Gene No.	89587	Strand	-
Start	3286	End	9147
Name	OJ000320_15.0411.C9.o1.tc	Method	TBLASTX:Cress
Start	2	End	2411
GI	none	Score	272
Exons	2..172, 3..176, 9..176, 13..177, 17..181, 397..570, 398..583, 399..584, 681..812, 682..813, 906..1091, 906..1091, 907..1095, 1181..1225, 1185..1274, 1210..1293, 1352..1420, 1353..1433, 1363..1440, 1583..1705, 1584..1700, 1785..1937, 1787..1873, 1923..2018, 1940..2014, 2296..2400, 2307..2411		

Seq. No.	42899	Seq. ID	OJ000320_15.0411.C9
Gene No.	89587	Strand	-
Start	3286	End	9147
Name	OJ000320_15.0411.C9.o1.tw	Method	TBLASTX:Wheat
Start	1386	End	2018
GI	none	Score	47
Exons	1386..1433, 1527..1640, 1535..1642, 1536..1643, 1641..1700, 1652..1705, 1653..1700, 1776..1931, 1785..1898, 1834..1902, 1896..1952, 1896..1961, 1929..2018		

Seq. No.	42899	Seq. ID	OJ000320_15.0411.C9
Gene No.	89587	Strand	-
Start	3286	End	9147
Name	OJ000320_15.0411.C9.o3.tw	Method	TBLASTX:Wheat
Start	2308	End	2589
GI	none	Score	134
Exons	2308..2400, 2308..2412, 2312..2419, 2319..2417, 2322..2450, 2500..2589, 2507..2539		

Seq. No.	42899	Seq. ID	OJ000320_15.0411.C9
Gene No.	89587	Strand	-
Start	3286	End	9147
Name	OJ000320_15.0411.C9.o2.gs	Method	GENSCAN
Start	3286	End	8290
GI	none	Score	.75
Exons	3286..4428, 4666..4922, 5013..5134, 5378..5429, 5781..5853, 7291..7566, 7766..7787, 8175..8290		

Seq. No.	42899	Seq. ID	OJ000320_15.0411.C9
Gene No.	89587	Strand	-
Start	3286	End	9147
Name	OJ000320_15.0411.C9.o2.np	Method	AAT/NAP
Start	3634	End	4869
GI	1362193	Score	553
Exons	3634..3754, 3798..4428, 4666..4869		
GI Descrip.	heat shock factor - maize gi\|2130134\|pir\|\|S61448 heat shock transcription factor (clone hsfb) - maize gi\|886742\|emb\|CAA58117.1\| (X82943) heat shock factor [Zea mays]		

Seq. No.	42899	Seq. ID	OJ000320_15.0411.C9
Gene No.	89587	Strand	-
Start	3286	End	9147
Name	OJ000320_15.0411.C9.o3.tm	Method	TBLASTX:Maize
Start	3679	End	4083
GI	none	Score	75
Exons	3679..3798, 3681..3830, 3814..3909, 3956..4057, 3967..4083, 3968..4051		

Seq. No.	42899	Seq. ID	OJ000320_15.0411.C9
Gene No.	89587	Strand	-
Start	3286	End	9147
Name	OJ000320_15.0411.C9.o2.tc	Method	TBLASTX:Cress
Start	4090	End	4842
GI	none	Score	95
Exons	4090..4242, 4318..4428, 4328..4432, 4645..4842, 4662..4715, 4721..4840		

Seq. No.	42899	Seq. ID	OJ000320_15.0411.C9
Gene No.	89587	Strand	-
Start	3286	End	9147
Name	OJ000320_15.0411.C9.o2.tw	Method	TBLASTX:Wheat
Start	4345	End	4843
GI	none	Score	72
Exons	4345..4428, 4645..4842, 4665..4721, 4666..4785, 4721..4843		

Seq. No.	42899	Seq. ID	OJ000320_15.0411.C9
Gene No.	89587	Strand	-
Start	3286	End	9147
Name	OJ000320_15.0411.C9.o2.ts	Method	TBLASTX:Soybean
Start	4357	End	4842
GI	none	Score	67
Exons	4357..4425, 4645..4842, 4668..4724, 4721..4840		

Seq. No.	42899	Seq. ID	OJ000320_15.0411.C9
Gene No.	89587	Strand	-
Start	3286	End	9147
Name	OJ000320_15.0411.C9.o2.tm	Method	TBLASTX:Maize
Start	4384	End	4843
GI	none	Score	73
Exons	4384..4428, 4645..4842, 4665..4721, 4721..4843		

Seq. No.	42899	Seq. ID	OJ000320_15.0411.C9
Gene No.	89587	Strand	-
Start	3286	End	9147
Name	OJ000320_15.0411.C9.o3.np	Method	AAT/NAP

Start	6051	End	9147
GI	7340868	Score	197
Exons	6051..6235, 7248..7468, 9120..9147		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	42900	Seq. ID	OJ000320_15.0411.C10
Gene No.	89588	Strand	-
Start	2036	End	3315
Name	OJ000320_15.0411.C10.o2.gs	Method	GENSCAN
Start	2036	End	3315
GI	none	Score	.45
Exons	2036..2079, 3180..3315		

Seq. No.	42901	Seq. ID	OJ000320_15.0411.C11
Gene No.	89589	Strand	+
Start	15	End	3380
Name	OJ000320_15.0411.C11.o1.gs	Method	GENSCAN
Start	15	End	2941
GI	none	Score	.94
Exons	15..674, 1305..1397, 2073..2222, 2816..2941		

Seq. No.	42901	Seq. ID	OJ000320_15.0411.C11
Gene No.	89589	Strand	+
Start	15	End	3380
Name	OJ000320_15.0411.C11.o1.gp	Method	AAT/GAP
Start	2164	End	3380
GI	none	Score	1615
Exons	2164..2222, 2330..2454, 2589..2718, 2816..3380		

Seq. No.	42901	Seq. ID	OJ000320_15.0411.C11
Gene No.	89590	Strand	-
Start	4255	End	4810
Name	OJ000320_15.0411.C11.o2.tm	Method	TBLASTX:Maize
Start	2	End	579
GI	none	Score	165
Exons	2..34, 33..146, 89..148, 113..199, 263..322, 264..344, 285..347, 499..579		

Seq. No.	42901	Seq. ID	OJ000320_15.0411.C11
Gene No.	89590	Strand	-
Start	4255	End	4810
Name	OJ000320_15.0411.C11.o1.ts	Method	TBLASTX:Soybean
Start	273	End	2941
GI	none	Score	85
Exons	273..365, 1140..1397, 1154..1390, 1255..1398, 1287..1397, 1581..1670, 1582..1671, 2073..2222, 2076..2222, 2080..2226, 2090..2242, 2315..2452, 2317..2466, 2327..2449, 2584..2706, 2586..2717, 2587..2721, 2816..2941, 2818..2937		

Seq. No.	42901	Seq. ID	OJ000320_15.0411.C11
Gene No.	89590	Strand	-
Start	4255	End	4810
Name	OJ000320_15.0411.C11.o1.tm	Method	TBLASTX:Maize
Start	636	End	2991
GI	none	Score	57
Exons	636..671, 734..769, 1157..1396, 1158..1397, 1165..1398, 1580..1660, 1582..1680, 1593..1670, 2072..2257, 2073..2222,		

2078..2260, 2311..2466, 2312..2452, 2317..2466, 2584..2721,
2584..2682, 2586..2717, 2794..2883, 2816..2941, 2817..2942,
2818..2946, 2828..2959, 2956..2991, 2956..2991

Seq. No.	42901	Seq. ID	OJ000320_15.0411.C11
Gene No.	89590	Strand	-
Start	4255	End	4810
Name	OJ000320_15.0411.C11.o2.gs	Method	GENSCAN
Start	4255	End	4810
GI	none	Score	.72
Exons	4255..4279, 4725..4810		

Seq. No.	42902	Seq. ID	OJ000320_15.0411.C12
Gene No.	89591	Strand	+
Start	1221	End	1730
Name	OJ000320_15.0411.C12.o1.gs	Method	GENSCAN
Start	1221	End	1730
GI	none	Score	.99
Exons	1221..1730		

Seq. No.	42902	Seq. ID	OJ000320_15.0411.C12
Gene No.	89592	Strand	+
Start	2157	End	9553
Name	OJ000320_15.0411.C12.o2.gs	Method	GENSCAN
Start	2157	End	8974
GI	none	Score	.6
Exons	2157..2307, 2342..2544, 3977..4079, 4199..4234, 4942..5032, 6087..6567, 6729..6789, 7134..7208, 7690..7841, 8505..8575, 8674..8974		

Seq. No.	42902	Seq. ID	OJ000320_15.0411.C12
Gene No.	89592	Strand	+
Start	2157	End	9553
Name	OJ000320_15.0411.C12.o1.np	Method	AAT/NAP
Start	6172	End	9553
GI	4585976	Score	545
Exons	6172..6203, 6734..6789, 6949..7007, 7134..7208, 7734..7845, 8509..8575, 8674..8974, 9510..9553		
GI Descrip.	(AC005287) Unknown protein [Arabidopsis thaliana]		

Seq. No.	42902	Seq. ID	OJ000320_15.0411.C12
Gene No.	89592	Strand	+
Start	2157	End	9553
Name	OJ000320_15.0411.C12.o1.gp	Method	AAT/GAP
Start	6545	End	7858
GI	2428680	Score	634
Exons	6545..6612, 6729..6789, 6949..7007, 7134..7208, 7734..7858		
GI Descrip.	4585976/gb\|AAD25612.1\|AC005287_14 3.0e-21 (AC005287) Unknown protein [Arabidopsis thaliana]		

Seq. No.	42902	Seq. ID	OJ000320_15.0411.C12
Gene No.	89592	Strand	+
Start	2157	End	9553
Name	OJ000320_15.0411.C12.o3.gp	Method	AAT/GAP
Start	8287	End	8366
GI	38012_1.R1084	Score	101
Exons	8287..8366		

GI Descrip.	'4097947/gb\|U72255\|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		
Seq. No.	42902	Seq. ID	OJ000320_15.0411.C12
Gene No.	89593	Strand	-
Start	8055	End	8222
Name	OJ000320_15.0411.C12.o2.gp	Method	AAT/GAP
Start	8055	End	8222
GI	23897_1.R1084	Score	242
Exons	8055..8222		
GI Descrip.	'5441876/dbj\|AP000367.1\|AP000367 5.0e-58 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		
Seq. No.	42902	Seq. ID	OJ000320_15.0411.C12
Gene No.	89594	Strand	
Start	8504	End	8998
Name	OJ000320_15.0411.C12.o1.tc	Method	TBLASTX:Cress
Start	8504	End	8998
GI	none	Score	126
Exons	8504..8584, 8505..8591, 8672..8749, 8761..8916, 8762..8932, 8867..8998		
Seq. No.	42902	Seq. ID	OJ000320_15.0411.C12
Gene No.	89594	Strand	
Start	8504	End	8998
Name	OJ000320_15.0411.C12.o1.tm	Method	TBLASTX:Maize
Start	8505	End	8998
GI	none	Score	103
Exons	8505..8591, 8671..8916, 8672..8998		
Seq. No.	42902	Seq. ID	OJ000320_15.0411.C12
Gene No.	89594	Strand	
Start	8504	End	8998
Name	OJ000320_15.0411.C12.o1.ts	Method	TBLASTX:Soybean
Start	8535	End	8998
GI	none	Score	91
Exons	8535..8591, 8672..8770, 8749..8916, 8765..8998, 8898..8951		
Seq. No.	42903	Seq. ID	OJ000320_15.0411.C13
Gene No.	89595	Strand	-
Start	1	End	135
Name	OJ000320_15.0411.C13.o1.gp	Method	AAT/GAP
Start	1	End	135
GI	5056031	Score	246
Exons	1..135		
Seq. No.	42903	Seq. ID	OJ000320_15.0411.C13
Gene No.	89596	Strand	-
Start	1707	End	2106
Name	OJ000320_15.0411.C13.o1.gs	Method	GENSCAN
Start	1707	End	2106
GI	none	Score	.81
Exons	1707..2024, 2065..2106		
Seq. No.	42904	Seq. ID	OJ000320_15.0411.C14
Gene No.	89597	Strand	+
Start	4902	End	5939

Name	OJ000320_15.0411.C14.o2.gs	Method	GENSCAN
Start	4902	End	5836
GI	none	Score	.87
Exons	4902..5159, 5458..5586, 5728..5836		

Seq. No.	42904	Seq. ID	OJ000320_15.0411.C14
Gene No.	89597	Strand	+
Start	4902	End	5939
Name	OJ000320_15.0411.C14.o3.np	Method	AAT/NAP
Start	4902	End	5939
GI	4512678	Score	343
Exons	4902..5159, 5458..5586, 5707..5852, 5897..5939		
GI Descrip.	(AC006931) unknown protein [Arabidopsis thaliana]		

Seq. No.	42904	Seq. ID	OJ000320_15.0411.C14
Gene No.	89598	Strand	-
Start	1	End	5838
Name	OJ000320_15.0411.C14.o1.np	Method	AAT/NAP
Start	1	End	1958
GI	6907086	Score	424
Exons	1..319, 574..637, 720..894, 1145..1958		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	42904	Seq. ID	OJ000320_15.0411.C14
Gene No.	89598	Strand	-
Start	1	End	5838
Name	OJ000320_15.0411.C14.o1.gs	Method	GENSCAN
Start	788	End	4204
GI	none	Score	.44
Exons	788..1115, 1528..1720, 3257..3360, 3670..3860, 4187..4204		

Seq. No.	42904	Seq. ID	OJ000320_15.0411.C14
Gene No.	89598	Strand	-
Start	1	End	5838
Name	OJ000320_15.0411.C14.o2.np	Method	AAT/NAP
Start	2294	End	5238
GI	4680186	Score	200
Exons	2294..2322, 3704..3860, 5192..5238		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	42904	Seq. ID	OJ000320_15.0411.C14
Gene No.	89598	Strand	-
Start	1	End	5838
Name	OJ000320_15.0411.C14.o1.tm	Method	TBLASTX:Maize
Start	5094	End	5838
GI	none	Score	136
Exons	5094..5162, 5456..5587, 5457..5588, 5457..5588, 5458..5589, 5458..5589, 5702..5833, 5706..5834, 5706..5837, 5707..5838		

Seq. No.	42904	Seq. ID	OJ000320_15.0411.C14
Gene No.	89598	Strand	-
Start	1	End	5838
Name	OJ000320_15.0411.C14.o1.tc	Method	TBLASTX:Cress
Start	5458	End	5747
GI	none	Score	205
Exons	5458..5589, 5460..5576, 5461..5583, 5704..5745, 5712..5747		

Seq. No.	42904	Seq. ID	OJ000320_15.0411.C14
Gene No.	89598	Strand	-
Start	1	End	5838
Name	OJ000320_15.0411.C14.o1.ts	Method	TBLASTX:Soybean
Start	5458	End	5838
GI	none	Score	221
Exons	5458..5589, 5460..5588, 5461..5589, 5706..5837, 5707..5838		

Seq. No.	42905	Seq. ID	OJ000320_15.0411.C15
Gene No.	89599	Strand	+
Start	56	End	1314
Name	OJ000320_15.0411.C15.o1.gs	Method	GENSCAN
Start	56	End	1314
GI	none	Score	.72
Exons	56..181, 933..1029, 1187..1314		

Seq. No.	42905	Seq. ID	OJ000320_15.0411.C15
Gene No.	89599	Strand	+
Start	56	End	1314
Name	OJ000320_15.0411.C15.o1.np	Method	AAT/NAP
Start	100	End	1314
GI	4512678	Score	260
Exons	100..200, 473..531, 744..782, 933..1044, 1187..1314		
GI Descrip.	(AC006931) unknown protein [Arabidopsis thaliana]		

Seq. No.	42905	Seq. ID	OJ000320_15.0411.C15
Gene No.	89600	Strand	-
Start	1366	End	1567
Name	OJ000320_15.0411.C15.o1.gp	Method	AAT/GAP
Start	1366	End	1567
GI	46775_1.R1084	Score	342
Exons	1366..1567		
GI Descrip.	'4585976/gb\|AAD25612.1\|AC005287_14 3.0e-21 (AC005287) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	42906	Seq. ID	OJ000320_15.0411.C17
Gene No.	89601	Strand	-
Start	163	End	1915
Name	OJ000320_15.0411.C17.o1.gs	Method	GENSCAN
Start	163	End	1108
GI	none	Score	.56
Exons	163..223, 505..1108		

Seq. No.	42906	Seq. ID	OJ000320_15.0411.C17
Gene No.	89601	Strand	-
Start	163	End	1915
Name	OJ000320_15.0411.C17.o1.np	Method	AAT/NAP
Start	504	End	1915
GI	7486273	Score	256
Exons	504..702, 778..1108, 1735..1915		
GI Descrip.	hypothetical protein F28A21.230 - Arabidopsis thaliana gi\|4539401\|emb\|CAB37467.1\| (AL035526) putative protein [Arabidopsis thaliana] gi\|7268676\|emb\|CAB78884.1\| (AL161549) putative protein [Arabidopsis thaliana]		

Seq. No.	42906	Seq. ID	OJ000320_15.0411.C17
Gene No.	89601	Strand	-

Start	163	End	1915
Name	OJ000320_15.0411.C17.o1.tm	Method	TBLASTX:Maize
Start	803	End	1861
GI	none	Score	237
Exons	803..985, 804..1106, 804..1121, 805..1110, 980..1111, 1736..1861, 1737..1859		

Seq. No.	42907	Seq. ID	OJ000320_15.0411.C18
Gene No.	89602	Strand	+
Start	2666	End	6606
Name	OJ000320_15.0411.C18.o2.gs	Method	GENSCAN
Start	2666	End	6606
GI	none	Score	.52
Exons	2666..2787, 4423..4503, 5151..5213, 6000..6606		

Seq. No.	42907	Seq. ID	OJ000320_15.0411.C18
Gene No.	89603	Strand	+
Start	10276	End	12725
Name	OJ000320_15.0411.C18.o1.gp	Method	AAT/GAP
Start	10194	End	10717
GI	43289_1.R1084	Score	787
Exons	10194..10366, 10459..10717		
GI Descrip.	'544250/sp\|P35402\|ERD2_ARATH 9.0e-27 ER LUMEN PROTEIN RETAINING RECEPTOR (HDEL RECEPTOR) >gi_541860_pir__A49677 endoplasmic reticulum retention receptor Erd2 - Arabidopsis thaliana'		

Seq. No.	42907	Seq. ID	OJ000320_15.0411.C18
Gene No.	89603	Strand	+
Start	10276	End	12725
Name	OJ000320_15.0411.C18.o2.np	Method	AAT/NAP
Start	10276	End	12725
GI	544250	Score	727
Exons	10276..10366, 10459..10724, 11609..11724, 12396..12469, 12554..12617, 12692..12725		
GI Descrip.	ER LUMEN PROTEIN RETAINING RECEPTOR (HDEL RECEPTOR) gi\|541860\|pir\|\|A49677 endoplasmic reticulum retention receptor Erd2 - Arabidopsis thaliana		

Seq. No.	42907	Seq. ID	OJ000320_15.0411.C18
Gene No.	89603	Strand	+
Start	10276	End	12725
Name	OJ000320_15.0411.C18.o4.gs	Method	GENSCAN
Start	10276	End	12617
GI	none	Score	.65
Exons	10276..10366, 10459..10724, 11210..11268, 12396..12469, 12554..12617		

Seq. No.	42907	Seq. ID	OJ000320_15.0411.C18
Gene No.	89604	Strand	-
Start	1	End	3605
Name	OJ000320_15.0411.C18.o1.np	Method	AAT/NAP
Start	1	End	3605
GI	7486273	Score	989
Exons	1..945, 976..1111, 1278..1441, 1681..1709, 3572..3605		
GI Descrip.	hypothetical protein F28A21.230 - Arabidopsis thaliana gi\|4539401\|emb\|CAB37467.1\| (AL035526) putative protein [Arabidopsis thaliana] gi\|7268676\|emb\|CAB78884.1\| (AL161549)		

putative protein [Arabidopsis thaliana].

Seq. No.	42907	Seq. ID	OJ000320_15.0411.C18
Gene No.	89604	Strand	-
Start	1	End	3605
Name	OJ000320_15.0411.C18.o1.gs	Method	GENSCAN
Start	78	End	1750
GI	none	Score	.96
Exons	78..1750		

Seq. No.	42907	Seq. ID	OJ000320_15.0411.C18
Gene No.	89605	Strand	-
Start	7672	End	9610
Name	OJ000320_15.0411.C18.o4.tm	Method	TBLASTX:Maize
Start	2	End	223
GI	none	Score	110
Exons	2..223, 12..218		

Seq. No.	42907	Seq. ID	OJ000320_15.0411.C18
Gene No.	89605	Strand	-
Start	7672	End	9610
Name	OJ000320_15.0411.C18.o2.tm	Method	TBLASTX:Maize
Start	320	End	602
GI	none	Score	399
Exons	320..601, 321..602		

Seq. No.	42907	Seq. ID	OJ000320_15.0411.C18
Gene No.	89605	Strand	-
Start	7672	End	9610
Name	OJ000320_15.0411.C18.o1.ts	Method	TBLASTX:Soybean
Start	401	End	707
GI	none	Score	319
Exons	401..685, 402..695, 417..707		

Seq. No.	42907	Seq. ID	OJ000320_15.0411.C18
Gene No.	89605	Strand	-
Start	7672	End	9610
Name	OJ000320_15.0411.C18.o3.gs	Method	GENSCAN
Start	7672	End	8386
GI	none	Score	.71
Exons	7672..7736, 7843..7962, 8338..8386		

Seq. No.	42907	Seq. ID	OJ000320_15.0411.C18
Gene No.	89605	Strand	-
Start	7672	End	9610
Name	OJ000320_15.0411.C18.o3.tm	Method	TBLASTX:Maize
Start	7679	End	9610
GI	none	Score	85
Exons	7679..7738, 7681..7737, 7683..7754, 7684..7755, 7821..7916, 7841..7975, 7841..7963, 7866..7964, 8333..8485, 8333..8422, 9566..9610, 9570..9608, 9571..9609		

Seq. No.	42907	Seq. ID	OJ000320_15.0411.C18
Gene No.	89606	Strand	
Start	10270	End	12622
Name	OJ000320_15.0411.C18.o1.tc	Method	TBLASTX:Cress
Start	10270	End	12619

GI	none	Score	137
Exons	10270..10368, 10296..10367, 10454..10654, 10455..10736, 11606..11725, 11614..11724, 12385..12468, 12402..12488, 12552..12608, 12553..12594, 12553..12609, 12554..12619		

Seq. No.	42907	Seq. ID	OJ000320_15.0411.C18
Gene No.	89606	Strand	
Start	10270	End	12622
Name	OJ000320_15.0411.C18.o1.tm	Method	TBLASTX:Maize
Start	10270	End	12622
GI	none	Score	162
Exons	10270..10368, 10285..10365, 10296..10370, 10455..10736, 10456..10545, 10457..10723, 10557..10733, 11606..11725, 11608..11724, 12388..12468, 12395..12472, 12395..12475, 12554..12622		

Seq. No.	42907	Seq. ID	OJ000320_15.0411.C18
Gene No.	89606	Strand	
Start	10270	End	12622
Name	OJ000320_15.0411.C18.o1.tw	Method	TBLASTX:Wheat
Start	10270	End	10540
GI	none	Score	151
Exons	10270..10368, 10285..10350, 10296..10370, 10455..10538, 10456..10539, 10457..10540, 10457..10540		

Seq. No.	42907	Seq. ID	OJ000320_15.0411.C18
Gene No.	89606	Strand	
Start	10270	End	12622
Name	OJ000320_15.0411.C18.o2.ts	Method	TBLASTX:Soybean
Start	10276	End	12612
GI	none	Score	115
Exons	10276..10368, 10285..10368, 10296..10370, 10454..10657, 10455..10736, 10557..10658, 11606..11725, 11606..11719, 11620..11724, 12397..12468, 12414..12446, 12550..12612, 12556..12594		

Seq. No.	42908	Seq. ID	OJ000320_15.0411.C22
Gene No.	89607	Strand	-
Start	1	End	799
Name	OJ000320_15.0411.C22.o1.np	Method	AAT/NAP
Start	1	End	799
GI	7486273	Score	425
Exons	1..145, 451..672, 769..799		
GI Descrip.	hypothetical protein F28A21.230 - Arabidopsis thaliana gi\|4539401\|emb\|CAB37467.1\| (AL035526) putative protein [Arabidopsis thaliana] gi\|7268676\|emb\|CAB78884.1\| (AL161549) putative protein [Arabidopsis thaliana]		

Seq. No.	42908	Seq. ID	OJ000320_15.0411.C22
Gene No.	89607	Strand	-
Start	1	End	799
Name	OJ000320_15.0411.C22.o1.tm	Method	TBLASTX:Maize
Start	1	End	708
GI	none	Score	187
Exons	1..150, 3..149, 437..664, 450..704, 451..708, 452..607, 592..663		

Seq. No.	42908	Seq. ID	OJ000320_15.0411.C22

Gene No.	89607	Strand	-
Start	1	End	799
Name	OJ000320_15.0411.C22.o1.ts	Method	TBLASTX:Soybean
Start	112	End	648
GI	none	Score	53
Exons	112..144, 114..146, 461..610, 465..620, 465..647, 583..648		

Seq. No.	42908	Seq. ID	OJ000320_15.0411.C22
Gene No.	89607	Strand	-
Start	1	End	799
Name	OJ000320_15.0411.C22.o1.gs	Method	GENSCAN
Start	451	End	670
GI	none	Score	.98
Exons	451..670		

Seq. No.	42909	Seq. ID	OJ000310_17.0405.C2
Gene No.	89608	Strand	-
Start	2057	End	7471
Name	OJ000310_17.0405.C2.o1.np	Method	AAT/NAP
Start	1946	End	7471
GI	2429362	Score	102
Exons	1946..2380, 3252..3415, 3530..3712, 6414..6508, 7377..7471		
GI Descrip.	(AF020261) proline rich protein [Santalum album]		

Seq. No.	42909	Seq. ID	OJ000310_17.0405.C2
Gene No.	89608	Strand	-
Start	2057	End	7471
Name	OJ000310_17.0405.C2.o1.gs	Method	GENSCAN
Start	2057	End	3430
GI	none	Score	.82
Exons	2057..3194, 3363..3430		

Seq. No.	42909	Seq. ID	OJ000310_17.0405.C2
Gene No.	89608	Strand	-
Start	2057	End	7471
Name	OJ000310_17.0405.C2.o1.gp	Method	AAT/GAP
Start	2791	End	3187
GI	5004947	Score	717
Exons	2791..3187		

Seq. No.	42909	Seq. ID	OJ000310_17.0405.C2
Gene No.	89609	Strand	-
Start	8489	End	11592
Name	OJ000310_17.0405.C2.o2.tm	Method	TBLASTX:Maize
Start	2336	End	2813
GI	none	Score	220
Exons	2336..2446, 2363..2587, 2470..2592, 2705..2758, 2705..2761, 2739..2813		

Seq. No.	42909	Seq. ID	OJ000310_17.0405.C2
Gene No.	89609	Strand	-
Start	8489	End	11592
Name	OJ000310_17.0405.C2.o1.tm	Method	TBLASTX:Maize
Start	8476	End	11579
GI	none	Score	81
Exons	8476..8583, 8481..8582, 8482..8583, 8483..8584, 9487..9627, 9491..9628, 9494..9628, 9495..9632, 9710..9805, 9711..9797,		

11490..11579

Seq. No.	42909	Seq. ID	OJ000310_17.0405.C2
Gene No.	89609	Strand	-
Start	8489	End	11592
Name	OJ000310_17.0405.C2.o1.tw	Method	TBLASTX:Wheat
Start	8476	End	9754
GI	none	Score	148
Exons	8476..8583, 8482..8577, 8483..8584, 9487..9627, 9491..9628, 9494..9628, 9495..9632, 9710..9754, 9710..9754		

Seq. No.	42909	Seq. ID	OJ000310_17.0405.C2
Gene No.	89609	Strand	-
Start	8489	End	11592
Name	OJ000310_17.0405.C2.o2.np	Method	AAT/NAP
Start	8482	End	11592
GI	7487679	Score	324
Exons	8482..8584, 9494..9627, 9710..9935, 11457..11592		
GI Descrip.	hypothetical protein T5C23.60 - Arabidopsis thaliana gi\|4539454\|emb\|CAB39934.1\| (AL049500) putative protein [Arabidopsis thaliana] gi\|7267863\|emb\|CAB78206.1\| (AL161532) putative protein [Arabidopsis thaliana]		

Seq. No.	42909	Seq. ID	OJ000310_17.0405.C2
Gene No.	89609	Strand	-
Start	8489	End	11592
Name	OJ000310_17.0405.C2.o3.gs	Method	GENSCAN
Start	8489	End	11563
GI	none	Score	.58
Exons	8489..8584, 9770..9796, 10060..10171, 10355..10466, 10912..11004, 11461..11563		

Seq. No.	42910	Seq. ID	OJ000310_17.0405.C5
Gene No.	89610	Strand	-
Start	898	End	4557
Name	OJ000310_17.0405.C5.o1.gs	Method	GENSCAN
Start	898	End	4557
GI	none	Score	.7
Exons	898..1167, 1199..1241, 2095..2270, 2386..2538, 2676..2725, 2806..2893, 3787..3880, 3908..4007, 4061..4121, 4287..4431, 4463..4557		

Seq. No.	42911	Seq. ID	OJ000310_17.0405.C6
Gene No.	89611	Strand	+
Start	249	End	298
Name	OJ000310_17.0405.C6.o1.gs	Method	GENSCAN
Start	249	End	298
GI	none	Score	.71
Exons	249..298		

Seq. No.	42911	Seq. ID	OJ000310_17.0405.C6
Gene No.	89612	Strand	+
Start	2353	End	2823
Name	OJ000310_17.0405.C6.o2.gs	Method	GENSCAN
Start	2353	End	2823
GI	none	Score	.94
Exons	2353..2823		

Seq. No.	42911	Seq. ID	OJ000310_17.0405.C6
Gene No.	89613	Strand	+
Start	4086	End	8300
Name	OJ000310_17.0405.C6.o3.gs	Method	GENSCAN
Start	4086	End	8197
GI	none	Score	.71
Exons	4086..4115, 5567..5722, 5792..5832, 6193..6478, 6753..6942, 7773..8197		

Seq. No.	42911	Seq. ID	OJ000310_17.0405.C6
Gene No.	89613	Strand	+
Start	4086	End	8300
Name	OJ000310_17.0405.C6.o1.gp	Method	AAT/GAP
Start	7333	End	8300
GI	none	Score	1048
Exons	7333..7396, 7823..8300		

Seq. No.	42911	Seq. ID	OJ000310_17.0405.C6
Gene No.	89614	Strand	-
Start	7983	End	11549
Name	OJ000310_17.0405.C6.o1.tm	Method	TBLASTX:Maize
Start	7835	End	8083
GI	none	Score	117
Exons	7835..7930, 7907..7963, 8012..8083, 8017..8076		

Seq. No.	42911	Seq. ID	OJ000310_17.0405.C6
Gene No.	89614	Strand	-
Start	7983	End	11549
Name	OJ000310_17.0405.C6.o1.np	Method	AAT/NAP
Start	7983	End	11485
GI	7340909	Score	198
Exons	7983..8215, 11230..11485		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	42911	Seq. ID	OJ000310_17.0405.C6
Gene No.	89614	Strand	-
Start	7983	End	11549
Name	OJ000310_17.0405.C6.o4.gs	Method	GENSCAN
Start	9690	End	11549
GI	none	Score	.58
Exons	9690..9842, 10179..10256, 10677..10968, 11052..11258, 11414..11549		

Seq. No.	42912	Seq. ID	OJ000310_17.0405.C7
Gene No.	89615	Strand	-
Start	848	End	5145
Name	OJ000310_17.0405.C7.o1.tm	Method	TBLASTX:Maize
Start	835	End	1130
GI	none	Score	105
Exons	835..972, 835..993, 837..986, 839..994, 1010..1129, 1080..1130		

Seq. No.	42912	Seq. ID	OJ000310_17.0405.C7
Gene No.	89615	Strand	-
Start	848	End	5145
Name	OJ000310_17.0405.C7.o1.tc	Method	TBLASTX:Cress
Start	839	End	4926

GI	none	Score	80
Exons	839..985, 848..997, 858..1010, 1028..1231, 1080..1145, 1081..1170, 1688..1798, 2623..2745, 2624..2746, 3259..3369, 3260..3298, 3265..3369, 3440..3490, 3447..3488, 3695..3775, 3702..3773, 3836..3940, 3856..3939, 4042..4143, 4070..4132, 4369..4431, 4660..4767, 4667..4768, 4815..4913, 4846..4926		

Seq. No.	42912	Seq. ID	OJ000310_17.0405.C7
Gene No.	89615	Strand	-
Start	848	End	5145
Name	OJ000310_17.0405.C7.o1.gs	Method	GENSCAN
Start	848	End	5126
GI	none	Score	.87
Exons	848..1234, 1679..1798, 2626..2744, 3258..3366, 3449..3487, 3695..3773, 3866..3940, 4067..4131, 4372..4427, 4668..4760, 4847..5126		

Seq. No.	42912	Seq. ID	OJ000310_17.0405.C7
Gene No.	89615	Strand	-
Start	848	End	5145
Name	OJ000310_17.0405.C7.o1.ts	Method	TBLASTX:Soybean
Start	848	End	1114
GI	none	Score	104
Exons	848..1009, 849..986, 1031..1114		

Seq. No.	42912	Seq. ID	OJ000310_17.0405.C7
Gene No.	89615	Strand	-
Start	848	End	5145
Name	OJ000310_17.0405.C7.o1.np	Method	AAT/NAP
Start	851	End	5145
GI	4337040	Score	1107
Exons	851..1230, 1684..1798, 2626..2744, 3258..3366, 3449..3487, 3695..3773, 3866..3940, 4067..4131, 4372..4427, 4668..4760, 4847..4987, 5040..5145		
GI Descrip.	(AF124159) molybdopterin synthase sulphurylase [Arabidopsis thaliana] gi\|4337042\|gb\|AAD18051.1\| (AF124160) molybdopterin synthase sulphurylase [Arabidopsis thaliana]		

Seq. No.	42912	Seq. ID	OJ000310_17.0405.C7
Gene No.	89615	Strand	-
Start	848	End	5145
Name	OJ000310_17.0405.C7.o2.ts	Method	TBLASTX:Soybean
Start	1115	End	4941
GI	none	Score	45
Exons	1115..1222, 1688..1798, 1693..1764, 1740..1805, 2590..2745, 2624..2746, 3259..3369, 3267..3380, 3268..3369, 3440..3490, 3447..3488, 3695..3775, 3707..3772, 3708..3776, 3708..3785, 3709..3777, 3856..3939, 4069..4143, 4070..4129, 4369..4431, 4660..4767, 4667..4768, 4815..4934, 4846..4941		

Seq. No.	42912	Seq. ID	OJ000310_17.0405.C7
Gene No.	89615	Strand	-
Start	848	End	5145
Name	OJ000310_17.0405.C7.o4.tm	Method	TBLASTX:Maize
Start	1706	End	4431
GI	none	Score	65
Exons	1706..1798, 1708..1791, 1740..1799, 2623..2709, 2624..2710,		

3695..3784, 3696..3773, 3700..3774, 3836..3988, 3856..3939,
4066..4134, 4067..4132, 4369..4428, 4369..4431

Seq. No.	42912	Seq. ID	OJ000310_17.0405.C7
Gene No.	89615	Strand	-
Start	848	End	5145
Name	OJ000310_17.0405.C7.o3.tm	Method	TBLASTX:Maize
Start	2711	End	3496
GI	none	Score	63
Exons	2711..2746, 3227..3367, 3258..3368, 3259..3369, 3259..3369, 3260..3370, 3440..3496, 3450..3491		

Seq. No.	42912	Seq. ID	OJ000310_17.0405.C7
Gene No.	89615	Strand	-
Start	848	End	5145
Name	OJ000310_17.0405.C7.o2.tm	Method	TBLASTX:Maize
Start	4643	End	5108
GI	none	Score	178
Exons	4643..4768, 4663..4767, 4845..4943, 4846..4944, 5024..5101, 5025..5108		

Seq. No.	42913	Seq. ID	OJ000310_17.0405.C8
Gene No.	89616	Strand	+
Start	103	End	221
Name	OJ000310_17.0405.C8.o1.gs	Method	GENSCAN
Start	103	End	221
GI	none	Score	.94
Exons	103..221		

Seq. No.	42913	Seq. ID	OJ000310_17.0405.C8
Gene No.	89617	Strand	+
Start	2310	End	2636
Name	OJ000310_17.0405.C8.o2.gs	Method	GENSCAN
Start	2310	End	2636
GI	none	Score	.99
Exons	2310..2636		

Seq. No.	42913	Seq. ID	OJ000310_17.0405.C8
Gene No.	89618	Strand	+
Start	6317	End	9174
Name	OJ000310_17.0405.C8.o3.gs	Method	GENSCAN
Start	6317	End	9000
GI	none	Score	.71
Exons	6317..6395, 6641..6755, 7815..7930, 8113..8256, 8291..9000		

Seq. No.	42913	Seq. ID	OJ000310_17.0405.C8
Gene No.	89618	Strand	+
Start	6317	End	9174
Name	OJ000310_17.0405.C8.o2.np	Method	AAT/NAP
Start	6323	End	7631
GI	5777617	Score	83
Exons	6323..6347, 7534..7631		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	42913	Seq. ID	OJ000310_17.0405.C8
Gene No.	89618	Strand	+
Start	6317	End	9174

Name	OJ000310_17.0405.C8.o3.np	Method	AAT/NAP
Start	7939	End	9174
GI	5441881	Score	227
Exons	7939..8040, 8571..8901, 9151..9174		
GI Descrip.	(AP000367) Similar to putative receptor kinase. (AC002332) [Oryza sativa]		

Seq. No.	42913	Seq. ID	OJ000310_17.0405.C8
Gene No.	89619	Strand	-
Start	6081	End	8179
Name	OJ000310_17.0405.C8.o1.np	Method	AAT/NAP
Start	6081	End	8179
GI	7242910	Score	95
Exons	6081..6188, 6255..6582, 7894..8179		
GI Descrip.	(AP001383) hypothetical protein [Oryza sativa]		

Seq. No.	42913	Seq. ID	OJ000310_17.0405.C8
Gene No.	89620	Strand	-
Start	8569	End	9091
Name	OJ000310_17.0405.C8.o2.gp	Method	AAT/GAP
Start	8569	End	9091
GI	5816568	Score	1037
Exons	8569..9091		
GI Descrip.	5441881/dbj\|BAA82379.1\| 4.0e-10 (AP000367) Similar to putative receptor kinase. (AC002332) [Oryza sativa]		

Seq. No.	42914	Seq. ID	OJ000310_17.0405.C9
Gene No.	89621	Strand	+
Start	12	End	1598
Name	OJ000310_17.0405.C9.o2.tm	Method	TBLASTX:Maize
Start	3	End	209
GI	none	Score	40
Exons	3..26, 56..205, 57..209		

Seq. No.	42914	Seq. ID	OJ000310_17.0405.C9
Gene No.	89621	Strand	+
Start	12	End	1598
Name	OJ000310_17.0405.C9.o1.np	Method	AAT/NAP
Start	12	End	1199
GI	2290528	Score	1312
Exons	12..362, 429..726, 769..1023, 1072..1199		
GI Descrip.	(U94746) ATAN11 [Arabidopsis thaliana]		

Seq. No.	42914	Seq. ID	OJ000310_17.0405.C9
Gene No.	89621	Strand	+
Start	12	End	1598
Name	OJ000310_17.0405.C9.o1.tc	Method	TBLASTX:Cress
Start	54	End	1209
GI	none	Score	238
Exons	54..221, 59..220, 221..331, 225..344, 429..722, 485..721, 564..722, 779..1015, 780..1016, 1082..1207, 1083..1202, 1102..1209, 1106..1204		

Seq. No.	42914	Seq. ID	OJ000310_17.0405.C9
Gene No.	89621	Strand	+
Start	12	End	1598
Name	OJ000310_17.0405.C9.o1.ts	Method	TBLASTX:Soybean

Start	54	End	1250
GI	none	Score	239
Exons	54..221, 59..220, 221..343, 225..344, 429..722, 485..721, 564..722, 682..741, 779..820, 780..821, 814..858, 822..890, 825..875, 876..1016, 878..1015, 1074..1202, 1075..1197, 1083..1250, 1085..1213		

Seq. No.	42914	Seq. ID	OJ000310_17.0405.C9
Gene No.	89621	Strand	+
Start	12	End	1598
Name	OJ000310_17.0405.C9.o1.gs	Method	GENSCAN
Start	108	End	1202
GI	none	Score	.98
Exons	108..1202		

Seq. No.	42914	Seq. ID	OJ000310_17.0405.C9
Gene No.	89621	Strand	+
Start	12	End	1598
Name	OJ000310_17.0405.C9.o1.tm	Method	TBLASTX:Maize
Start	555	End	1133
GI	none	Score	247
Exons	555..722, 557..721, 564..722, 779..1000, 780..1004, 825..1004, 838..1005, 1083..1133		

Seq. No.	42914	Seq. ID	OJ000310_17.0405.C9
Gene No.	89621	Strand	+
Start	12	End	1598
Name	OJ000310_17.0405.C9.o1.tw	Method	TBLASTX:Wheat
Start	638	End	959
GI	none	Score	138
Exons	638..721, 639..722, 639..722, 682..741, 779..907, 780..908, 920..946, 921..959		

Seq. No.	42914	Seq. ID	OJ000310_17.0405.C9
Gene No.	89621	Strand	+
Start	12	End	1598
Name	OJ000310_17.0405.C9.o1.gp	Method	AAT/GAP
Start	896	End	1598
GI	5003488	Score	1318
Exons	896..1598		
GI Descrip.	2290528 5.0e-19 (U94746) ATAN11 [Arabidopsis thaliana]		

Seq. No.	42915	Seq. ID	OJ000310_17.0405.C10
Gene No.	89622	Strand	-
Start	1321	End	1453
Name	OJ000310_17.0405.C10.o1.gp	Method	AAT/GAP
Start	1321	End	1453
GI	none	Score	240
Exons	1321..1453		

Seq. No.	42916	Seq. ID	OJ000350_10.0406.C1
Gene No.	89623	Strand	+
Start	1	End	4035
Name	OJ000350_10.0406.C1.o1.np	Method	AAT/NAP
Start	1	End	4035
GI	4378066	Score	873
Exons	1..20, 2524..4035		

GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi\|4680208\|gb\|AAD27571.1\|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		
Seq. No.	42916	Seq. ID	OJ000350_10.0406.C1
Gene No.	89623	Strand	+
Start	1	End	4035
Name	OJ000350_10.0406.C1.o1.gs	Method	GENSCAN
Start	604	End	1422
GI	none	Score	.42
Exons	604..700, 951..1232, 1310..1422		
Seq. No.	42916	Seq. ID	OJ000350_10.0406.C1
Gene No.	89624	Strand	+
Start	5072	End	5804
Name	OJ000350_10.0406.C1.o1.gp	Method	AAT/GAP
Start	5072	End	5804
GI	101153_1.R1084	Score	425
Exons	5072..5110, 5578..5804		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	42916	Seq. ID	OJ000350_10.0406.C1
Gene No.	89625	Strand	+
Start	6789	End	7064
Name	OJ000350_10.0406.C1.o3.gp	Method	AAT/GAP
Start	6789	End	7064
GI	61605_3.R1084	Score	335
Exons	6789..7064		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	42916	Seq. ID	OJ000350_10.0406.C1
Gene No.	89626	Strand	+
Start	11151	End	17483
Name	OJ000350_10.0406.C1.o3.gs	Method	GENSCAN
Start	11151	End	16562
GI	none	Score	.68
Exons	11151..11199, 11298..11420, 11422..11552, 11605..11856, 11928..12011, 12297..12410, 12635..12925, 12976..13253, 13274..14027, 14061..14192, 14244..14679, 15088..15994, 16277..16562		
Seq. No.	42916	Seq. ID	OJ000350_10.0406.C1
Gene No.	89626	Strand	+
Start	11151	End	17483
Name	OJ000350_10.0406.C1.o2.np	Method	AAT/NAP
Start	12603	End	17483
GI	7489805	Score	2492
Exons	12603..12648, 13255..16640, 17446..17483		
GI Descrip.	polyprotein - maize retrotransposon Cinful-1 gi\|4206306\|gb\|AAD11615.1\| (AF049110) prpol [Zea mays]		
Seq. No.	42916	Seq. ID	OJ000350_10.0406.C1
Gene No.	89627	Strand	-
Start	1777	End	16619
Name	OJ000350_10.0406.C1.o2.gs	Method	GENSCAN

Start	1777	End	10387
GI	none	Score	.63
Exons	1777..2228, 2356..2407, 2463..2564, 4707..4833, 5234..5339, 6503..6579, 7293..7855, 7960..8495, 9013..9057, 9150..9913, 10329..10387		

Seq. No.	42916	Seq. ID	OJ000350_10.0406.C1
Gene No.	89627	Strand	-
Start	1777	End	16619
Name	OJ000350_10.0406.C1.o3.tw	Method	TBLASTX:Wheat
Start	2532	End	15683
GI	none	Score	92
Exons	2532..2687, 15252..15683, 15392..15604		

Seq. No.	42916	Seq. ID	OJ000350_10.0406.C1
Gene No.	89627	Strand	-
Start	1777	End	16619
Name	OJ000350_10.0406.C1.o4.tm	Method	TBLASTX:Maize
Start	2946	End	16151
GI	none	Score	210
Exons	2946..3149, 2981..3160, 15882..16151, 15929..16150		

Seq. No.	42916	Seq. ID	OJ000350_10.0406.C1
Gene No.	89627	Strand	-
Start	1777	End	16619
Name	OJ000350_10.0406.C1.o4.tw	Method	TBLASTX:Wheat
Start	2991	End	16382
GI	none	Score	175
Exons	2991..3278, 15993..16382		

Seq. No.	42916	Seq. ID	OJ000350_10.0406.C1
Gene No.	89627	Strand	-
Start	1777	End	16619
Name	OJ000350_10.0406.C1.o2.ts	Method	TBLASTX:Soybean
Start	3150	End	16529
GI	none	Score	68
Exons	3150..3278, 3292..3486, 16155..16298, 16305..16529		

Seq. No.	42916	Seq. ID	OJ000350_10.0406.C1
Gene No.	89627	Strand	-
Start	1777	End	16619
Name	OJ000350_10.0406.C1.o2.tm	Method	TBLASTX:Maize
Start	3165	End	16514
GI	none	Score	64
Exons	3165..3278, 3276..3464, 3277..3480, 16152..16514, 16244..16513		

Seq. No.	42916	Seq. ID	OJ000350_10.0406.C1
Gene No.	89627	Strand	-
Start	1777	End	16619
Name	OJ000350_10.0406.C1.o6.tw	Method	TBLASTX:Wheat
Start	3483	End	16619
GI	none	Score	93
Exons	3483..3566, 3485..3580, 3591..3752, 3593..3724, 3901..4026, 16509..16619		

Seq. No.	42916	Seq. ID	OJ000350_10.0406.C1
Gene No.	89627	Strand	-

Start	1777	End	16619
Name	OJ000350_10.0406.C1.o2.gp	Method	AAT/GAP
Start	5814	End	6327
GI	uC-osflM202048c12b1	Score	806
Exons	5814..6327		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	42916	Seq. ID	OJ000350_10.0406.C1
Gene No.	89627	Strand	-
Start	1777	End	16619
Name	OJ000350_10.0406.C1.o5.tw	Method	TBLASTX:Wheat
Start	13437	End	13814
GI	none	Score	76
Exons	13437..13586, 13625..13813, 13638..13814		

Seq. No.	42916	Seq. ID	OJ000350_10.0406.C1
Gene No.	89627	Strand	-
Start	1777	End	16619
Name	OJ000350_10.0406.C1.o1.tw	Method	TBLASTX:Wheat
Start	14069	End	14474
GI	none	Score	397
Exons	14069..14473, 14070..14474		

Seq. No.	42916	Seq. ID	OJ000350_10.0406.C1
Gene No.	89627	Strand	-
Start	1777	End	16619
Name	OJ000350_10.0406.C1.o1.tm	Method	TBLASTX:Maize
Start	14147	End	14504
GI	none	Score	104
Exons	14147..14440, 14147..14503, 14214..14504		

Seq. No.	42916	Seq. ID	OJ000350_10.0406.C1
Gene No.	89627	Strand	-
Start	1777	End	16619
Name	OJ000350_10.0406.C1.o3.tm	Method	TBLASTX:Maize
Start	14508	End	14883
GI	none	Score	139
Exons	14508..14711, 14510..14533, 14547..14669, 14683..14883, 14684..14851		

Seq. No.	42916	Seq. ID	OJ000350_10.0406.C1
Gene No.	89627	Strand	-
Start	1777	End	16619
Name	OJ000350_10.0406.C1.o2.tw	Method	TBLASTX:Wheat
Start	14592	End	14977
GI	none	Score	67
Exons	14592..14684, 14683..14871, 14684..14977, 14684..14875		

Seq. No.	42916	Seq. ID	OJ000350_10.0406.C1
Gene No.	89627	Strand	-
Start	1777	End	16619
Name	OJ000350_10.0406.C1.o1.ts	Method	TBLASTX:Soybean
Start	14684	End	14986
GI	none	Score	209
Exons	14684..14986		

Seq. No.	42917	Seq. ID	OJ000350_10.0406.C2
Gene No.	89628	Strand	+
Start	185	End	11850
Name	OJ000350_10.0406.C2.o1.gs	Method	GENSCAN
Start	185	End	2874
GI	none	Score	.7
Exons	185..1022, 1239..2086, 2182..2498, 2616..2820, 2860..2874		

Seq. No.	42917	Seq. ID	OJ000350_10.0406.C2
Gene No.	89628	Strand	+
Start	185	End	11850
Name	OJ000350_10.0406.C2.o1.np	Method	AAT/NAP
Start	599	End	11850
GI	4680179	Score	5525
Exons	599..643, 7523..8533, 8561..11850		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	42917	Seq. ID	OJ000350_10.0406.C2
Gene No.	89629	Strand	-
Start	3622	End	4134
Name	OJ000350_10.0406.C2.o2.gs	Method	GENSCAN
Start	3622	End	4134
GI	none	Score	.99
Exons	3622..4134		

Seq. No.	42917	Seq. ID	OJ000350_10.0406.C2
Gene No.	89630	Strand	
Start	7684	End	7882
Name	OJ000350_10.0406.C2.o9.tw	Method	TBLASTX:Wheat
Start	7684	End	7882
GI	none	Score	215
Exons	7684..7881, 7685..7882		

Seq. No.	42917	Seq. ID	OJ000350_10.0406.C2
Gene No.	89631	Strand	
Start	7933	End	8284
Name	OJ000350_10.0406.C2.o7.tw	Method	TBLASTX:Wheat
Start	7933	End	8284
GI	none	Score	312
Exons	7933..8106, 7934..8284, 8082..8150		

Seq. No.	42917	Seq. ID	OJ000350_10.0406.C2
Gene No.	89631	Strand	
Start	7933	End	8284
Name	OJ000350_10.0406.C2.o6.tm	Method	TBLASTX:Maize
Start	7934	End	8239
GI	none	Score	246
Exons	7934..8239, 7960..8040, 8013..8090		

Seq. No.	42917	Seq. ID	OJ000350_10.0406.C2
Gene No.	89632	Strand	
Start	8618	End	8971
Name	OJ000350_10.0406.C2.o8.tw	Method	TBLASTX:Wheat
Start	8618	End	8971
GI	none	Score	261
Exons	8618..8971		

Seq. No.	42917	Seq. ID	OJ000350_10.0406.C2
Gene No.	89633	Strand	
Start	8975	End	9168
Name	OJ000350_10.0406.C2.o7.tm	Method	TBLASTX:Maize
Start	8975	End	9168
GI	none	Score	188
Exons	8975..9166, 9013..9168		

Seq. No.	42917	Seq. ID	OJ000350_10.0406.C2
Gene No.	89634	Strand	
Start	9103	End	9616
Name	OJ000350_10.0406.C2.o4.tw	Method	TBLASTX:Wheat
Start	9103	End	9586
GI	none	Score	535
Exons	9103..9543, 9104..9586		

Seq. No.	42917	Seq. ID	OJ000350_10.0406.C2
Gene No.	89634	Strand	
Start	9103	End	9616
Name	OJ000350_10.0406.C2.o4.ts	Method	TBLASTX:Soybean
Start	9140	End	9454
GI	none	Score	198
Exons	9140..9454		

Seq. No.	42917	Seq. ID	OJ000350_10.0406.C2
Gene No.	89634	Strand	
Start	9103	End	9616
Name	OJ000350_10.0406.C2.o4.tm	Method	TBLASTX:Maize
Start	9169	End	9616
GI	none	Score	373
Exons	9169..9411, 9173..9616		

Seq. No.	42917	Seq. ID	OJ000350_10.0406.C2
Gene No.	89635	Strand	
Start	9527	End	10003
Name	OJ000350_10.0406.C2.o1.ts	Method	TBLASTX:Soybean
Start	9527	End	9922
GI	none	Score	57
Exons	9527..9559, 9528..9560, 9529..9558, 9563..9616, 9565..9606, 9571..9726, 9662..9706, 9671..9922, 9679..9912, 9770..9919		

Seq. No.	42917	Seq. ID	OJ000350_10.0406.C2
Gene No.	89635	Strand	
Start	9527	End	10003
Name	OJ000350_10.0406.C2.o5.tw	Method	TBLASTX:Wheat
Start	9649	End	9937
GI	none	Score	64
Exons	9649..9741, 9654..9752, 9673..9936, 9674..9937		

Seq. No.	42917	Seq. ID	OJ000350_10.0406.C2
Gene No.	89635	Strand	
Start	9527	End	10003
Name	OJ000350_10.0406.C2.o5.tm	Method	TBLASTX:Maize
Start	9671	End	10003
GI	none	Score	310
Exons	9671..10003, 9724..10002		

Seq. No.	42917	Seq. ID	OJ000350_10.0406.C2
Gene No.	89636	Strand	
Start	9938	End	10363
Name	OJ000350_10.0406.C2.o3.tw	Method	TBLASTX:Wheat
Start	9938	End	10363
GI	none	Score	597
Exons	9938..10363, 9940..10362, 10013..10363		

Seq. No.	42917	Seq. ID	OJ000350_10.0406.C2
Gene No.	89636	Strand	
Start	9938	End	10363
Name	OJ000350_10.0406.C2.o3.ts	Method	TBLASTX:Soybean
Start	9947	End	10192
GI	none	Score	204
Exons	9947..10192		

Seq. No.	42917	Seq. ID	OJ000350_10.0406.C2
Gene No.	89636	Strand	
Start	9938	End	10363
Name	OJ000350_10.0406.C2.o2.tm	Method	TBLASTX:Maize
Start	10010	End	10363
GI	none	Score	457
Exons	10010..10363, 10010..10348, 10015..10362		

Seq. No.	42917	Seq. ID	OJ000350_10.0406.C2
Gene No.	89637	Strand	
Start	10391	End	11850
Name	OJ000350_10.0406.C2.o2.tw	Method	TBLASTX:Wheat
Start	10391	End	10925
GI	none	Score	612
Exons	10391..10918, 10573..10623, 10650..10925, 10675..10917		

Seq. No.	42917	Seq. ID	OJ000350_10.0406.C2
Gene No.	89637	Strand	
Start	10391	End	11850
Name	OJ000350_10.0406.C2.o2.ts	Method	TBLASTX:Soybean
Start	10718	End	10977
GI	none	Score	205
Exons	10718..10918, 10729..10917, 10730..10924, 10782..10925, 10920..10976, 10921..10977		

Seq. No.	42917	Seq. ID	OJ000350_10.0406.C2
Gene No.	89637	Strand	
Start	10391	End	11850
Name	OJ000350_10.0406.C2.o3.tm	Method	TBLASTX:Maize
Start	10777	End	11067
GI	none	Score	188
Exons	10777..10917, 10778..10915, 10915..11067, 10923..11063		

Seq. No.	42917	Seq. ID	OJ000350_10.0406.C2
Gene No.	89637	Strand	
Start	10391	End	11850
Name	OJ000350_10.0406.C2.o1.tw	Method	TBLASTX:Wheat
Start	10936	End	11562
GI	none	Score	722
Exons	10936..11562, 10945..11283, 10995..11441, 11308..11520, 11502..11561		

Seq. No.	42917	Seq. ID	OJ000350_10.0406.C2
Gene No.	89637	Strand	
Start	10391	End	11850
Name	OJ000350_10.0406.C2.o1.tm	Method	TBLASTX:Maize
Start	11115	End	11700
GI	none	Score	229
Exons	11115..11270, 11116..11277, 11136..11279, 11274..11438, 11275..11700, 11434..11676, 11502..11699		

Seq. No.	42917	Seq. ID	OJ000350_10.0406.C2
Gene No.	89637	Strand	
Start	10391	End	11850
Name	OJ000350_10.0406.C2.o6.tw	Method	TBLASTX:Wheat
Start	11563	End	11850
GI	none	Score	312
Exons	11563..11850, 11566..11670, 11658..11849		

Seq. No.	42918	Seq. ID	OJ000350_10.0406.C3
Gene No.	89638	Strand	+
Start	766	End	1019
Name	OJ000350_10.0406.C3.o1.gs	Method	GENSCAN
Start	766	End	1019
GI	none	Score	.62
Exons	766..854, 873..1019		

Seq. No.	42918	Seq. ID	OJ000350_10.0406.C3
Gene No.	89639	Strand	-
Start	1836	End	3253
Name	OJ000350_10.0406.C3.o1.np	Method	AAT/NAP
Start	1836	End	3253
GI	7489805	Score	1005
Exons	1836..3253		
GI Descrip.	polyprotein - maize retrotransposon Cinful-1 gi\|4206306\|gb\|AAD11615.1\| (AF049110) prpol [Zea mays]		

Seq. No.	42918	Seq. ID	OJ000350_10.0406.C3
Gene No.	89639	Strand	-
Start	1836	End	3253
Name	OJ000350_10.0406.C3.o1.ts	Method	TBLASTX:Soybean
Start	2412	End	2786
GI	none	Score	95
Exons	2412..2636, 2643..2786		

Seq. No.	42918	Seq. ID	OJ000350_10.0406.C3
Gene No.	89639	Strand	-
Start	1836	End	3253
Name	OJ000350_10.0406.C3.o1.tm	Method	TBLASTX:Maize
Start	2427	End	2790
GI	none	Score	84
Exons	2427..2549, 2427..2789, 2428..2790		

Seq. No.	42918	Seq. ID	OJ000350_10.0406.C3
Gene No.	89639	Strand	-
Start	1836	End	3253
Name	OJ000350_10.0406.C3.o1.tw	Method	TBLASTX:Wheat
Start	2559	End	2948

GI	none	Score	243
Exons	2559..2948		

Seq. No.	42919	Seq. ID	OJ000350_10.0406.C4
Gene No.	89640	Strand	+
Start	135	End	2867
Name	OJ000350_10.0406.C4.o1.np	Method	AAT/NAP
Start	135	End	2867
GI	7340881	Score	395
Exons	135..226, 373..496, 589..922, 2811..2867		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	42919	Seq. ID	OJ000350_10.0406.C4
Gene No.	89640	Strand	+
Start	135	End	2867
Name	OJ000350_10.0406.C4.o1.gs	Method	GENSCAN
Start	303	End	971
GI	none	Score	.86
Exons	303..461, 589..680, 725..971		

Seq. No.	42919	Seq. ID	OJ000350_10.0406.C4
Gene No.	89640	Strand	+
Start	135	End	2867
Name	OJ000350_10.0406.C4.o3.np	Method	AAT/NAP
Start	1731	End	1837
GI	6721561	Score	78
Exons	1731..1837		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42919	Seq. ID	OJ000350_10.0406.C4
Gene No.	89641	Strand	-
Start	1609	End	3636
Name	OJ000350_10.0406.C4.o2.np	Method	AAT/NAP
Start	1609	End	3636
GI	4680183	Score	114
Exons	1609..1698, 3602..3636		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	42919	Seq. ID	OJ000350_10.0406.C4
Gene No.	89641	Strand	-
Start	1609	End	3636
Name	OJ000350_10.0406.C4.o4.np	Method	AAT/NAP
Start	3184	End	3636
GI	5852180	Score	266
Exons	3184..3636		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	42920	Seq. ID	OJ000350_10.0406.C5
Gene No.	89642	Strand	+
Start	2352	End	3467
Name	OJ000350_10.0406.C5.o2.gs	Method	GENSCAN
Start	2352	End	3467
GI	none	Score	.62

Exons	2352..3467		
Seq. No.	42920	Seq. ID	OJ000350_10.0406.C5
Gene No.	89642	Strand	+
Start	2352	End	3467
Name	OJ000350_10.0406.C5.o2.np	Method	AAT/NAP
Start	2352	End	3395
GI	6983860	Score	947
Exons	2352..3395		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		
Seq. No.	42920	Seq. ID	OJ000350_10.0406.C5
Gene No.	89643	Strand	-
Start	1	End	1270
Name	OJ000350_10.0406.C5.o1.np	Method	AAT/NAP
Start	1	End	1270
GI	5852180	Score	217
Exons	1..193, 1194..1270		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	42920	Seq. ID	OJ000350_10.0406.C5
Gene No.	89643	Strand	-
Start	1	End	1270
Name	OJ000350_10.0406.C5.o1.gs	Method	GENSCAN
Start	50	End	467
GI	none	Score	.84
Exons	50..273, 314..467		
Seq. No.	42920	Seq. ID	OJ000350_10.0406.C5
Gene No.	89644	Strand	-
Start	1556	End	1863
Name	OJ000350_10.0406.C5.o1.gp	Method	AAT/GAP
Start	1556	End	1863
GI	61605_3.R1084	Score	446
Exons	1556..1863		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	42920	Seq. ID	OJ000350_10.0406.C5
Gene No.	89645	Strand	
Start	2514	End	3047
Name	OJ000350_10.0406.C5.o1.tw	Method	TBLASTX:Wheat
Start	2514	End	2870
GI	none	Score	287
Exons	2514..2870, 2522..2614, 2550..2687, 2720..2794, 2729..2869		
Seq. No.	42920	Seq. ID	OJ000350_10.0406.C5
Gene No.	89645	Strand	
Start	2514	End	3047
Name	OJ000350_10.0406.C5.o1.tm	Method	TBLASTX:Maize
Start	2751	End	3047
GI	none	Score	244
Exons	2751..3047, 2754..2930, 2774..2938, 2979..3047		
Seq. No.	42920	Seq. ID	OJ000350_10.0406.C5
Gene No.	89645	Strand	

Start	2514	End	3047
Name	OJ000350_10.0406.C5.o2.tw	Method	TBLASTX:Wheat
Start	2870	End	3047
GI	none	Score	177
Exons	2870..2944, 2871..3047		

Seq. No.	42921	Seq. ID	OJ000350_10.0406.C6
Gene No.	89646	Strand	+
Start	43	End	1087
Name	OJ000350_10.0406.C6.o1.gs	Method	GENSCAN
Start	43	End	1087
GI	none	Score	.88
Exons	43..65, 590..713, 902..1087		

Seq. No.	42921	Seq. ID	OJ000350_10.0406.C6
Gene No.	89646	Strand	+
Start	43	End	1087
Name	OJ000350_10.0406.C6.o1.gp	Method	AAT/GAP
Start	256	End	566
GI	61605_3.R1084	Score	447
Exons	256..566		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	42921	Seq. ID	OJ000350_10.0406.C6
Gene No.	89647	Strand	-
Start	2611	End	6868
Name	OJ000350_10.0406.C6.o1.np	Method	AAT/NAP
Start	2281	End	6759
GI	4378066	Score	1871
Exons	2281..5826, 6143..6256, 6445..6759		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi\|4680208\|gb\|AAD27571.1\|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	42921	Seq. ID	OJ000350_10.0406.C6
Gene No.	89647	Strand	-
Start	2611	End	6868
Name	OJ000350_10.0406.C6.o3.tw	Method	TBLASTX:Wheat
Start	2318	End	2749
GI	none	Score	82
Exons	2318..2602, 2629..2748, 2633..2749		

Seq. No.	42921	Seq. ID	OJ000350_10.0406.C6
Gene No.	89647	Strand	-
Start	2611	End	6868
Name	OJ000350_10.0406.C6.o2.gs	Method	GENSCAN
Start	2611	End	6868
GI	none	Score	.55
Exons	2611..4194, 4248..4574, 4592..4757, 4778..4970, 4975..5566, 5622..5923, 5979..6175, 6272..6442, 6498..6597, 6599..6721, 6820..6868		

Seq. No.	42921	Seq. ID	OJ000350_10.0406.C6
Gene No.	89647	Strand	-
Start	2611	End	6868
Name	OJ000350_10.0406.C6.o4.tw	Method	TBLASTX:Wheat

Start	2752	End	2958
GI	none	Score	75
Exons	2752..2955, 2803..2958, 2808..2957		

Seq. No.	42921	Seq. ID	OJ000350_10.0406.C6
Gene No.	89647	Strand	-
Start	2611	End	6868
Name	OJ000350_10.0406.C6.o1.ts	Method	TBLASTX:Soybean
Start	3016	End	3399
GI	none	Score	72
Exons	3016..3399, 3127..3333, 3206..3349		

Seq. No.	42921	Seq. ID	OJ000350_10.0406.C6
Gene No.	89647	Strand	-
Start	2611	End	6868
Name	OJ000350_10.0406.C6.o2.tw	Method	TBLASTX:Wheat
Start	3025	End	3444
GI	none	Score	122
Exons	3025..3444, 3127..3342, 3131..3391		

Seq. No.	42921	Seq. ID	OJ000350_10.0406.C6
Gene No.	89647	Strand	-
Start	2611	End	6868
Name	OJ000350_10.0406.C6.o2.tm	Method	TBLASTX:Maize
Start	3118	End	3501
GI	none	Score	192
Exons	3118..3501, 3131..3391		

Seq. No.	42921	Seq. ID	OJ000350_10.0406.C6
Gene No.	89647	Strand	-
Start	2611	End	6868
Name	OJ000350_10.0406.C6.o1.tm	Method	TBLASTX:Maize
Start	3529	End	3886
GI	none	Score	253
Exons	3529..3885, 3530..3886		

Seq. No.	42921	Seq. ID	OJ000350_10.0406.C6
Gene No.	89647	Strand	-
Start	2611	End	6868
Name	OJ000350_10.0406.C6.o1.tw	Method	TBLASTX:Wheat
Start	3559	End	4014
GI	none	Score	289
Exons	3559..4014, 3560..3988, 3583..3990		

Seq. No.	42921	Seq. ID	OJ000350_10.0406.C6
Gene No.	89647	Strand	-
Start	2611	End	6868
Name	OJ000350_10.0406.C6.o3.tm	Method	TBLASTX:Maize
Start	5508	End	5777
GI	none	Score	193
Exons	5508..5777		

Seq. No.	42922	Seq. ID	OJ000350_10.0406.C7
Gene No.	89648	Strand	-
Start	1	End	725
Name	OJ000350_10.0406.C7.o1.np	Method	AAT/NAP
Start	1	End	725

GI	6815062	Score	753
Exons	1..725		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	42922	Seq. ID	OJ000350_10.0406.C7
Gene No.	89648	Strand	-
Start	1	End	725
Name	OJ000350_10.0406.C7.o1.gs	Method	GENSCAN
Start	39	End	590
GI	none	Score	.55
Exons	39..590		

Seq. No.	42922	Seq. ID	OJ000350_10.0406.C7
Gene No.	89648	Strand	-
Start	1	End	725
Name	OJ000350_10.0406.C7.o1.tm	Method	TBLASTX:Maize
Start	321	End	711
GI	none	Score	253
Exons	321..710, 343..711, 364..711		

Seq. No.	42923	Seq. ID	OJ000350_10.0406.C8
Gene No.	89649	Strand	-
Start	1	End	1246
Name	OJ000350_10.0406.C8.o1.np	Method	AAT/NAP
Start	1	End	1246
GI	6523547	Score	264
Exons	1..235, 598..1246		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	42923	Seq. ID	OJ000350_10.0406.C8
Gene No.	89649	Strand	-
Start	1	End	1246
Name	OJ000350_10.0406.C8.o1.gs	Method	GENSCAN
Start	537	End	960
GI	none	Score	.96
Exons	537..623, 672..763, 849..960		

Seq. No.	42924	Seq. ID	OJ000350_10.0406.C10
Gene No.	89650	Strand	-
Start	214	End	5367
Name	OJ000350_10.0406.C10.o1.np	Method	AAT/NAP
Start	214	End	5140
GI	6069646	Score	667
Exons	214..1178, 1467..2234, 5120..5140		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	42924	Seq. ID	OJ000350_10.0406.C10
Gene No.	89650	Strand	-
Start	214	End	5367
Name	OJ000350_10.0406.C10.o3.tw	Method	TBLASTX:Wheat

Start	1158	End	1601
GI	none	Score	201
Exons	1158..1208, 1308..1601		

Seq. No.	42924	Seq. ID	OJ000350_10.0406.C10
Gene No.	89650	Strand	-
Start	214	End	5367
Name	OJ000350_10.0406.C10.o1.tm	Method	TBLASTX:Maize
Start	1245	End	1899
GI	none	Score	82
Exons	1245..1898, 1777..1899		

Seq. No.	42924	Seq. ID	OJ000350_10.0406.C10
Gene No.	89650	Strand	-
Start	214	End	5367
Name	OJ000350_10.0406.C10.o4.tm	Method	TBLASTX:Maize
Start	1901	End	2401
GI	none	Score	91
Exons	1901..2008, 1979..2215, 2201..2236, 2264..2401		

Seq. No.	42924	Seq. ID	OJ000350_10.0406.C10
Gene No.	89650	Strand	-
Start	214	End	5367
Name	OJ000350_10.0406.C10.o1.gs	Method	GENSCAN
Start	1940	End	5168
GI	none	Score	.62
Exons	1940..2541, 3499..3541, 3993..5168		

Seq. No.	42924	Seq. ID	OJ000350_10.0406.C10
Gene No.	89650	Strand	-
Start	214	End	5367
Name	OJ000350_10.0406.C10.o5.tm	Method	TBLASTX:Maize
Start	2444	End	2847
GI	none	Score	72
Exons	2444..2704, 2499..2666, 2701..2847, 2732..2839		

Seq. No.	42924	Seq. ID	OJ000350_10.0406.C10
Gene No.	89650	Strand	-
Start	214	End	5367
Name	OJ000350_10.0406.C10.o4.np	Method	AAT/NAP
Start	3966	End	5367
GI	5295971	Score	1385
Exons	3966..5367		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	42924	Seq. ID	OJ000350_10.0406.C10
Gene No.	89650	Strand	-
Start	214	End	5367
Name	OJ000350_10.0406.C10.o1.tc	Method	TBLASTX:Cress
Start	3996	End	4661
GI	none	Score	104
Exons	3996..4229, 4039..4215, 4248..4367, 4273..4368, 4365..4661, 4380..4661		

Seq. No.	42924	Seq. ID	OJ000350_10.0406.C10

Gene No.	89650	Strand	-
Start	214	End	5367
Name	OJ000350_10.0406.C10.o7.tm	Method	TBLASTX:Maize
Start	4002	End	4220
GI	none	Score	92
Exons	4002..4220, 4026..4211, 4039..4212		

Seq. No.	42924	Seq. ID	OJ000350_10.0406.C10
Gene No.	89650	Strand	-
Start	214	End	5367
Name	OJ000350_10.0406.C10.o2.tw	Method	TBLASTX:Wheat
Start	4035	End	4470
GI	none	Score	62
Exons	4035..4220, 4036..4215, 4245..4448, 4257..4445, 4270..4470		

Seq. No.	42924	Seq. ID	OJ000350_10.0406.C10
Gene No.	89650	Strand	-
Start	214	End	5367
Name	OJ000350_10.0406.C10.o1.ts	Method	TBLASTX:Soybean
Start	4152	End	4592
GI	none	Score	70
Exons	4152..4592, 4164..4529		

Seq. No.	42924	Seq. ID	OJ000350_10.0406.C10
Gene No.	89650	Strand	-
Start	214	End	5367
Name	OJ000350_10.0406.C10.o2.tm	Method	TBLASTX:Maize
Start	4248	End	4697
GI	none	Score	268
Exons	4248..4697, 4270..4695		

Seq. No.	42924	Seq. ID	OJ000350_10.0406.C10
Gene No.	89650	Strand	-
Start	214	End	5367
Name	OJ000350_10.0406.C10.o3.ts	Method	TBLASTX:Soybean
Start	4596	End	4859
GI	none	Score	52
Exons	4596..4859, 4600..4674, 4731..4859		

Seq. No.	42924	Seq. ID	OJ000350_10.0406.C10
Gene No.	89650	Strand	-
Start	214	End	5367
Name	OJ000350_10.0406.C10.o6.tm	Method	TBLASTX:Maize
Start	4704	End	4916
GI	none	Score	101
Exons	4704..4916, 4705..4914		

Seq. No.	42924	Seq. ID	OJ000350_10.0406.C10
Gene No.	89650	Strand	-
Start	214	End	5367
Name	OJ000350_10.0406.C10.o1.tw	Method	TBLASTX:Wheat
Start	4809	End	5350
GI	none	Score	54
Exons	4809..5012, 5004..5126, 5122..5349, 5126..5194, 5219..5350		

Seq. No.	42924	Seq. ID	OJ000350_10.0406.C10
Gene No.	89650	Strand	-

Start	214	End	5367
Name	OJ000350_10.0406.C10.o3.tm	Method	TBLASTX:Maize
Start	4917	End	5350
GI	none	Score	64
Exons	4917..5129, 5038..5130, 5122..5349, 5126..5350, 5132..5350		

Seq. No.	42924	Seq. ID	OJ000350_10.0406.C10
Gene No.	89650	Strand	-
Start	214	End	5367
Name	OJ000350_10.0406.C10.o2.ts	Method	TBLASTX:Soybean
Start	5016	End	5365
GI	5509260	Score	40
Exons	5016..5129, 5038..5130, 5122..5364, 5126..5194, 5228..5365		
GI Descrip.	-		

Seq. No.	42924	Seq. ID	OJ000350_10.0406.C10
Gene No.	89650	Strand	-
Start	214	End	5367
Name	OJ000350_10.0406.C10.o2.tc	Method	TBLASTX:Cress
Start	5131	End	5367
GI	none	Score	73
Exons	5131..5367, 5219..5356		

Seq. No.	42925	Seq. ID	OJ000350_10.0406.C11
Gene No.	89651	Strand	+
Start	8422	End	11920
Name	OJ000350_10.0406.C11.o3.gs	Method	GENSCAN
Start	8422	End	11920
GI	none	Score	.53
Exons	8422..8452, 8549..10634, 11473..11592, 11878..11920		

Seq. No.	42925	Seq. ID	OJ000350_10.0406.C11
Gene No.	89652	Strand	+
Start	15919	End	17580
Name	OJ000350_10.0406.C11.o4.gs	Method	GENSCAN
Start	15919	End	17580
GI	none	Score	.73
Exons	15919..15993, 16650..16761, 16795..16936, 17046..17191, 17489..17580		

Seq. No.	42925	Seq. ID	OJ000350_10.0406.C11
Gene No.	89653	Strand	-
Start	1	End	2571
Name	OJ000350_10.0406.C11.o1.np	Method	AAT/NAP
Start	1	End	2379
GI	7228446	Score	1823
Exons	1..2379		
GI Descrip.	(AP001366) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative retroelement pol polyprotein. (AC006248) [Oryza sativa]		

Seq. No.	42925	Seq. ID	OJ000350_10.0406.C11
Gene No.	89653	Strand	-
Start	1	End	2571
Name	OJ000350_10.0406.C11.o1.gs	Method	GENSCAN
Start	7	End	2571
GI	none	Score	.68

Exons	7..123, 177..406, 412..1943, 2038..2571		
Seq. No.	42925	Seq. ID	OJ000350_10.0406.C11
Gene No.	89653	Strand	-
Start	1	End	2571
Name	OJ000350_10.0406.C11.o1.ts	Method	TBLASTX:Soybean
Start	187	End	665
GI	none	Score	149
Exons	187..330, 357..665, 370..660		
Seq. No.	42925	Seq. ID	OJ000350_10.0406.C11
Gene No.	89653	Strand	-
Start	1	End	2571
Name	OJ000350_10.0406.C11.o1.tc	Method	TBLASTX:Cress
Start	208	End	650
GI	none	Score	205
Exons	208..330, 348..650		
Seq. No.	42925	Seq. ID	OJ000350_10.0406.C11
Gene No.	89653	Strand	-
Start	1	End	2571
Name	OJ000350_10.0406.C11.o1.tm	Method	TBLASTX:Maize
Start	268	End	680
GI	none	Score	282
Exons	268..339, 337..678, 337..615, 339..677, 540..680		
Seq. No.	42925	Seq. ID	OJ000350_10.0406.C11
Gene No.	89653	Strand	-
Start	1	End	2571
Name	OJ000350_10.0406.C11.o1.tw	Method	TBLASTX:Wheat
Start	357	End	899
GI	none	Score	85
Exons	357..437, 444..899, 451..693		
Seq. No.	42925	Seq. ID	OJ000350_10.0406.C11
Gene No.	89653	Strand	-
Start	1	End	2571
Name	OJ000350_10.0406.C11.o2.ts	Method	TBLASTX:Soybean
Start	705	End	1034
GI	none	Score	209
Exons	705..1034, 858..938		
Seq. No.	42925	Seq. ID	OJ000350_10.0406.C11
Gene No.	89653	Strand	-
Start	1	End	2571
Name	OJ000350_10.0406.C11.o2.tw	Method	TBLASTX:Wheat
Start	978	End	1425
GI	none	Score	46
Exons	978..1058, 1057..1104, 1059..1409, 1132..1425		
Seq. No.	42925	Seq. ID	OJ000350_10.0406.C11
Gene No.	89653	Strand	-
Start	1	End	2571
Name	OJ000350_10.0406.C11.o3.tm	Method	TBLASTX:Maize
Start	1038	End	1446
GI	none	Score	45
Exons	1038..1187, 1045..1137, 1215..1436, 1227..1445, 1228..1446		

Seq. No.	42925	Seq. ID	OJ000350_10.0406.C11
Gene No.	89653	Strand	-
Start	1	End	2571
Name	OJ000350_10.0406.C11.o3.tw	Method	TBLASTX:Wheat
Start	1975	End	2353
GI	none	Score	42
Exons	1975..2343, 2006..2122, 2159..2353		

Seq. No.	42925	Seq. ID	OJ000350_10.0406.C11
Gene No.	89653	Strand	-
Start	1	End	2571
Name	OJ000350_10.0406.C11.o5.tm	Method	TBLASTX:Maize
Start	2170	End	2458
GI	none	Score	122
Exons	2170..2457, 2174..2458		

Seq. No.	42925	Seq. ID	OJ000350_10.0406.C11
Gene No.	89654	Strand	
Start	8795	End	10488
Name	OJ000350_10.0406.C11.o2.tm	Method	TBLASTX:Maize
Start	8795	End	10488
GI	none	Score	53
Exons	8795..8842, 8857..8937, 8857..9150, 8869..8940, 8878..9162, 8896..9381, 8899..9384, 8927..9163, 9068..9163, 9115..9606, 9117..9326, 9127..9456, 9337..9828, 9338..9445, 9343..9510, 9515..9607, 9552..9641, 9559..9828, 9571..9876, 9716..9898, 9719..9889, 9730..10050, 9781..10272, 9785..9889, 9929..10072, 9935..10039, 9946..10092, 9946..10050, 10053..10268, 10151..10312, 10153..10488, 10153..10482, 10153..10272, 10157..10273, 10227..10436, 10234..10488, 10237..10482		

Seq. No.	42925	Seq. ID	OJ000350_10.0406.C11
Gene No.	89655	Strand	
Start	10612	End	10975
Name	OJ000350_10.0406.C11.o4.tm	Method	TBLASTX:Maize
Start	10612	End	10975
GI	none	Score	246
Exons	10612..10917, 10618..10647, 10622..10921, 10622..10921, 10693..10926, 10925..10975, 10926..10952		

Seq. No.	42926	Seq. ID	OJ000350_10.0406.C12
Gene No.	89656	Strand	+
Start	4117	End	4443
Name	OJ000350_10.0406.C12.o1.gs	Method	GENSCAN
Start	4117	End	4443
GI	none	Score	.55
Exons	4117..4215, 4276..4443		

Seq. No.	42926	Seq. ID	OJ000350_10.0406.C12
Gene No.	89657	Strand	+
Start	5863	End	10855
Name	OJ000350_10.0406.C12.o2.gs	Method	GENSCAN
Start	5863	End	10855
GI	none	Score	.57
Exons	5863..5899, 6230..6526, 6903..7002, 7364..7410, 7648..7823, 7844..8227, 10538..10855		

Seq. No.	42926	Seq. ID	OJ000350_10.0406.C12
Gene No.	89658	Strand	+
Start	13013	End	19752
Name	OJ000350_10.0406.C12.o1.gp	Method	AAT/GAP
Start	12908	End	13293
GI	uC-osflcyp033a04b1	Score	637
Exons	12908..13293		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	42926	Seq. ID	OJ000350_10.0406.C12
Gene No.	89658	Strand	+
Start	13013	End	19752
Name	OJ000350_10.0406.C12.o4.gs	Method	GENSCAN
Start	13013	End	19752
GI	none	Score	.53
Exons	13013..13078, 14177..14942, 14981..15009, 15236..18829, 18871..19752		

Seq. No.	42926	Seq. ID	OJ000350_10.0406.C12
Gene No.	89658	Strand	+
Start	13013	End	19752
Name	OJ000350_10.0406.C12.o3.gp	Method	AAT/GAP
Start	14452	End	14906
GI	95437_1.R1084	Score	782
Exons	14452..14906		
GI Descrip.	'4512226/dbj\|AB014738.1\|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	42926	Seq. ID	OJ000350_10.0406.C12
Gene No.	89658	Strand	+
Start	13013	End	19752
Name	OJ000350_10.0406.C12.o1.np	Method	AAT/NAP
Start	15233	End	19749
GI	4680179	Score	5416
Exons	15233..16315, 16349..19749		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	42926	Seq. ID	OJ000350_10.0406.C12
Gene No.	89659	Strand	-
Start	11516	End	12467
Name	OJ000350_10.0406.C12.o5.tm	Method	TBLASTX:Maize
Start	4075	End	4457
GI	none	Score	117
Exons	4075..4230, 4144..4230, 4234..4365, 4240..4386, 4251..4382, 4382..4456, 4386..4457, 4389..4457		

Seq. No.	42926	Seq. ID	OJ000350_10.0406.C12
Gene No.	89659	Strand	-
Start	11516	End	12467
Name	OJ000350_10.0406.C12.o4.ts	Method	TBLASTX:Soybean
Start	4171	End	4490
GI	5509260	Score	62
Exons	4171..4221, 4249..4383, 4365..4490		
GI Descrip.	-		

Seq. No.	42926	Seq. ID	OJ000350_10.0406.C12
Gene No.	89659	Strand	-
Start	11516	End	12467
Name	OJ000350_10.0406.C12.o3.gs	Method	GENSCAN
Start	11516	End	12467
GI	none	Score	.73
Exons	11516..11983, 12048..12152, 12390..12467		

Seq. No.	42926	Seq. ID	OJ000350_10.0406.C12
Gene No.	89660	Strand	
Start	15467	End	16015
Name	OJ000350_10.0406.C12.o7.tw	Method	TBLASTX:Wheat
Start	15467	End	15829
GI	none	Score	296
Exons	15467..15829, 15469..15828		

Seq. No.	42926	Seq. ID	OJ000350_10.0406.C12
Gene No.	89660	Strand	
Start	15467	End	16015
Name	OJ000350_10.0406.C12.o7.tm	Method	TBLASTX:Maize
Start	15710	End	16015
GI	none	Score	232
Exons	15710..16015, 15724..15840		

Seq. No.	42926	Seq. ID	OJ000350_10.0406.C12
Gene No.	89661	Strand	
Start	16340	End	16798
Name	OJ000350_10.0406.C12.o9.tm	Method	TBLASTX:Maize
Start	16340	End	16693
GI	none	Score	189
Exons	16340..16693		

Seq. No.	42926	Seq. ID	OJ000350_10.0406.C12
Gene No.	89661	Strand	
Start	16340	End	16798
Name	OJ000350_10.0406.C12.o8.tw	Method	TBLASTX:Wheat
Start	16376	End	16798
GI	none	Score	163
Exons	16376..16585, 16432..16584, 16630..16743, 16631..16798		

Seq. No.	42926	Seq. ID	OJ000350_10.0406.C12
Gene No.	89662	Strand	
Start	16913	End	17782
Name	OJ000350_10.0406.C12.o4.tw	Method	TBLASTX:Wheat
Start	16913	End	17395
GI	none	Score	52
Exons	16913..16963, 17017..17352, 17018..17395		

Seq. No.	42926	Seq. ID	OJ000350_10.0406.C12
Gene No.	89662	Strand	
Start	16913	End	17782
Name	OJ000350_10.0406.C12.o6.tm	Method	TBLASTX:Maize
Start	16925	End	17214
GI	none	Score	276
Exons	16925..17212, 17021..17212, 17023..17214		

Seq. No.	42926	Seq. ID	OJ000350_10.0406.C12
Gene No.	89662	Strand	
Start	16913	End	17782
Name	OJ000350_10.0406.C12.o3.tm	Method	TBLASTX:Maize
Start	17282	End	17782
GI	none	Score	167
Exons	17282..17461, 17290..17436, 17468..17782, 17533..17661		

Seq. No.	42926	Seq. ID	OJ000350_10.0406.C12
Gene No.	89662	Strand	
Start	16913	End	17782
Name	OJ000350_10.0406.C12.o1.ts	Method	TBLASTX:Soybean
Start	17336	End	17731
GI	none	Score	57
Exons	17336..17368, 17338..17367, 17372..17731, 17374..17412, 17440..17730		

Seq. No.	42926	Seq. ID	OJ000350_10.0406.C12
Gene No.	89662	Strand	
Start	16913	End	17782
Name	OJ000350_10.0406.C12.o5.tw	Method	TBLASTX:Wheat
Start	17444	End	17746
GI	none	Score	379
Exons	17444..17746, 17445..17525, 17446..17730		

Seq. No.	42926	Seq. ID	OJ000350_10.0406.C12
Gene No.	89663	Strand	
Start	17747	End	18181
Name	OJ000350_10.0406.C12.o3.tw	Method	TBLASTX:Wheat
Start	17747	End	18169
GI	none	Score	598
Exons	17747..18169, 17779..18168		

Seq. No.	42926	Seq. ID	OJ000350_10.0406.C12
Gene No.	89663	Strand	
Start	17747	End	18181
Name	OJ000350_10.0406.C12.o3.ts	Method	TBLASTX:Soybean
Start	17753	End	17998
GI	none	Score	207
Exons	17753..17998, 17770..17898		

Seq. No.	42926	Seq. ID	OJ000350_10.0406.C12
Gene No.	89663	Strand	
Start	17747	End	18181
Name	OJ000350_10.0406.C12.o2.tm	Method	TBLASTX:Maize
Start	17818	End	18181
GI	none	Score	482
Exons	17818..18168, 17819..18172, 17819..18181		

Seq. No.	42926	Seq. ID	OJ000350_10.0406.C12
Gene No.	89664	Strand	
Start	18172	End	19758
Name	OJ000350_10.0406.C12.o2.tw	Method	TBLASTX:Wheat
Start	18172	End	18739
GI	none	Score	647
Exons	18172..18735, 18203..18739		

Seq. No.	42926	Seq. ID	OJ000350_10.0406.C12
Gene No.	89664	Strand	
Start	18172	End	19758
Name	OJ000350_10.0406.C12.o1.tc	Method	TBLASTX:Cress
Start	18446	End	18763
GI	none	Score	90
Exons	18446..18619, 18620..18763, 18622..18762		

Seq. No.	42926	Seq. ID	OJ000350_10.0406.C12
Gene No.	89664	Strand	
Start	18172	End	19758
Name	OJ000350_10.0406.C12.o2.ts	Method	TBLASTX:Soybean
Start	18527	End	18787
GI	none	Score	297
Exons	18527..18787, 18530..18778, 18532..18786		

Seq. No.	42926	Seq. ID	OJ000350_10.0406.C12
Gene No.	89664	Strand	
Start	18172	End	19758
Name	OJ000350_10.0406.C12.o4.tm	Method	TBLASTX:Maize
Start	18585	End	18877
GI	none	Score	92
Exons	18585..18773, 18586..18873, 18587..18877		

Seq. No.	42926	Seq. ID	OJ000350_10.0406.C12
Gene No.	89664	Strand	
Start	18172	End	19758
Name	OJ000350_10.0406.C12.o1.tw	Method	TBLASTX:Wheat
Start	18746	End	19371
GI	none	Score	338
Exons	18746..19039, 18806..19018, 19047..19259, 19048..19371, 19246..19368		

Seq. No.	42926	Seq. ID	OJ000350_10.0406.C12
Gene No.	89664	Strand	
Start	18172	End	19758
Name	OJ000350_10.0406.C12.o1.tm	Method	TBLASTX:Maize
Start	18910	End	19473
GI	none	Score	172
Exons	18910..19053, 18911..19054, 19036..19077, 19041..19076, 19072..19293, 19072..19281, 19311..19469, 19312..19473		

Seq. No.	42926	Seq. ID	OJ000350_10.0406.C12
Gene No.	89664	Strand	
Start	18172	End	19758
Name	OJ000350_10.0406.C12.o6.tw	Method	TBLASTX:Wheat
Start	19371	End	19704
GI	none	Score	367
Exons	19371..19640, 19372..19704, 19375..19683		

Seq. No.	42926	Seq. ID	OJ000350_10.0406.C12
Gene No.	89664	Strand	
Start	18172	End	19758
Name	OJ000350_10.0406.C12.o8.tm	Method	TBLASTX:Maize
Start	19479	End	19758
GI	none	Score	41
Exons	19479..19499, 19480..19503, 19501..19725, 19503..19634,		

19628..19756, 19726..19758

Seq. No.	42927	Seq. ID	OJ000350_10.0406.C13
Gene No.	89665	Strand	+
Start	257	End	759
Name	OJ000350_10.0406.C13.o1.np	Method	AAT/NAP
Start	257	End	756
GI	4512231	Score	794
Exons	257..756		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	42927	Seq. ID	OJ000350_10.0406.C13
Gene No.	89665	Strand	+
Start	257	End	759
Name	OJ000350_10.0406.C13.o1.gs	Method	GENSCAN
Start	280	End	759
GI	none	Score	.97
Exons	280..759		

Seq. No.	42927	Seq. ID	OJ000350_10.0406.C13
Gene No.	89666	Strand	+
Start	986	End	5446
Name	OJ000350_10.0406.C13.o2.np	Method	AAT/NAP
Start	986	End	5446
GI	4680179	Score	5682
Exons	986..2038, 2066..5446		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	42927	Seq. ID	OJ000350_10.0406.C13
Gene No.	89666	Strand	+
Start	986	End	5446
Name	OJ000350_10.0406.C13.o9.tw	Method	TBLASTX:Wheat
Start	1189	End	1387
GI	none	Score	208
Exons	1189..1386, 1190..1387		

Seq. No.	42927	Seq. ID	OJ000350_10.0406.C13
Gene No.	89666	Strand	+
Start	986	End	5446
Name	OJ000350_10.0406.C13.o6.tw	Method	TBLASTX:Wheat
Start	1436	End	1783
GI	none	Score	316
Exons	1436..1684, 1439..1783		

Seq. No.	42927	Seq. ID	OJ000350_10.0406.C13
Gene No.	89666	Strand	+
Start	986	End	5446
Name	OJ000350_10.0406.C13.o6.tm	Method	TBLASTX:Maize
Start	1439	End	1744
GI	none	Score	248
Exons	1439..1744, 1439..1684		

Seq. No.	42927	Seq. ID	OJ000350_10.0406.C13
Gene No.	89666	Strand	+
Start	986	End	5446
Name	OJ000350_10.0406.C13.o8.tw	Method	TBLASTX:Wheat
Start	2123	End	2476

GI	none	Score	253
Exons	2123..2476, 2213..2401		

Seq. No.	42927	Seq. ID	OJ000350_10.0406.C13
Gene No.	89666	Strand	+
Start	986	End	5446
Name	OJ000350_10.0406.C13.o7.tm	Method	TBLASTX:Maize
Start	2480	End	2671
GI	none	Score	190
Exons	2480..2671, 2518..2625		

Seq. No.	42927	Seq. ID	OJ000350_10.0406.C13
Gene No.	89666	Strand	+
Start	986	End	5446
Name	OJ000350_10.0406.C13.o4.tw	Method	TBLASTX:Wheat
Start	2608	End	3091
GI	none	Score	518
Exons	2608..3048, 2609..3091		

Seq. No.	42927	Seq. ID	OJ000350_10.0406.C13
Gene No.	89666	Strand	+
Start	986	End	5446
Name	OJ000350_10.0406.C13.o4.ts	Method	TBLASTX:Soybean
Start	2645	End	2959
GI	none	Score	193
Exons	2645..2959		

Seq. No.	42927	Seq. ID	OJ000350_10.0406.C13
Gene No.	89666	Strand	+
Start	986	End	5446
Name	OJ000350_10.0406.C13.o4.tm	Method	TBLASTX:Maize
Start	2674	End	3121
GI	none	Score	373
Exons	2674..2916, 2678..3121		

Seq. No.	42927	Seq. ID	OJ000350_10.0406.C13
Gene No.	89666	Strand	+
Start	986	End	5446
Name	OJ000350_10.0406.C13.o1.ts	Method	TBLASTX:Soybean
Start	3032	End	3427
GI	none	Score	57
Exons	3032..3064, 3034..3063, 3068..3121, 3070..3111, 3176..3427, 3184..3417		

Seq. No.	42927	Seq. ID	OJ000350_10.0406.C13
Gene No.	89666	Strand	+
Start	986	End	5446
Name	OJ000350_10.0406.C13.o5.tw	Method	TBLASTX:Wheat
Start	3159	End	3442
GI	none	Score	52
Exons	3159..3233, 3178..3441, 3179..3442		

Seq. No.	42927	Seq. ID	OJ000350_10.0406.C13
Gene No.	89666	Strand	+
Start	986	End	5446
Name	OJ000350_10.0406.C13.o5.tm	Method	TBLASTX:Maize
Start	3176	End	3508

GI	none	Score	310
Exons	3176..3508, 3229..3507		
Seq. No.	42927	Seq. ID	OJ000350_10.0406.C13
Gene No.	89666	Strand	+
Start	986	End	5446
Name	OJ000350_10.0406.C13.o3.tw	Method	TBLASTX:Wheat
Start	3443	End	3868
GI	none	Score	596
Exons	3443..3868, 3445..3861, 3518..3868		
Seq. No.	42927	Seq. ID	OJ000350_10.0406.C13
Gene No.	89666	Strand	+
Start	986	End	5446
Name	OJ000350_10.0406.C13.o3.ts	Method	TBLASTX:Soybean
Start	3449	End	3697
GI	none	Score	207
Exons	3449..3697		
Seq. No.	42927	Seq. ID	OJ000350_10.0406.C13
Gene No.	89666	Strand	+
Start	986	End	5446
Name	OJ000350_10.0406.C13.o2.tm	Method	TBLASTX:Maize
Start	3515	End	3868
GI	none	Score	461
Exons	3515..3868, 3520..3861		
Seq. No.	42927	Seq. ID	OJ000350_10.0406.C13
Gene No.	89666	Strand	+
Start	986	End	5446
Name	OJ000350_10.0406.C13.o2.tw	Method	TBLASTX:Wheat
Start	3896	End	4436
GI	none	Score	631
Exons	3896..4435, 4078..4431, 4182..4436		
Seq. No.	42927	Seq. ID	OJ000350_10.0406.C13
Gene No.	89666	Strand	+
Start	986	End	5446
Name	OJ000350_10.0406.C13.o1.tc	Method	TBLASTX:Cress
Start	4133	End	4459
GI	none	Score	86
Exons	4133..4315, 4316..4459, 4318..4458		
Seq. No.	42927	Seq. ID	OJ000350_10.0406.C13
Gene No.	89666	Strand	+
Start	986	End	5446
Name	OJ000350_10.0406.C13.o2.ts	Method	TBLASTX:Soybean
Start	4234	End	4483
GI	none	Score	298
Exons	4234..4482, 4235..4483		
Seq. No.	42927	Seq. ID	OJ000350_10.0406.C13
Gene No.	89666	Strand	+
Start	986	End	5446
Name	OJ000350_10.0406.C13.o3.tm	Method	TBLASTX:Maize
Start	4281	End	4573
GI	none	Score	97

Exons	4281..4469, 4282..4569, 4283..4573		
Seq. No.	42927	Seq. ID	OJ000350_10.0406.C13
Gene No.	89666	Strand	+
Start	986	End	5446
Name	OJ000350_10.0406.C13.o1.tw	Method	TBLASTX:Wheat
Start	4442	End	5068
GI	none	Score	719
Exons	4442..5068, 4445..4477, 4522..4950, 5008..5067		
Seq. No.	42927	Seq. ID	OJ000350_10.0406.C13
Gene No.	89666	Strand	+
Start	986	End	5446
Name	OJ000350_10.0406.C13.o1.tm	Method	TBLASTX:Maize
Start	4621	End	5206
GI	none	Score	229
Exons	4621..4776, 4622..4783, 4642..4785, 4780..4953, 4781..5206, 4901..5185, 5008..5205		
Seq. No.	42927	Seq. ID	OJ000350_10.0406.C13
Gene No.	89666	Strand	+
Start	986	End	5446
Name	OJ000350_10.0406.C13.o7.tw	Method	TBLASTX:Wheat
Start	5068	End	5401
GI	none	Score	312
Exons	5068..5349, 5069..5401		
Seq. No.	42928	Seq. ID	OJ000350_10.0406.C20
Gene No.	89667	Strand	-
Start	1	End	1070
Name	OJ000350_10.0406.C20.o1.np	Method	AAT/NAP
Start	1	End	1070
GI	6815062	Score	657
Exons	1..668, 760..830, 1002..1070		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		
Seq. No.	42928	Seq. ID	OJ000350_10.0406.C20
Gene No.	89667	Strand	-
Start	1	End	1070
Name	OJ000350_10.0406.C20.o1.tm	Method	TBLASTX:Maize
Start	1	End	468
GI	none	Score	64
Exons	1..117, 5..94, 102..302, 103..273, 333..467, 343..468		
Seq. No.	42928	Seq. ID	OJ000350_10.0406.C20
Gene No.	89667	Strand	-
Start	1	End	1070
Name	OJ000350_10.0406.C20.o1.gs	Method	GENSCAN
Start	42	End	850
GI	none	Score	.79
Exons	42..668, 760..850		
Seq. No.	42929	Seq. ID	OJ000210_14.0404.C2
Gene No.	89668	Strand	-
Start	1	End	62

Name	OJ000210_14.0404.C2.o1.gp	Method	AAT/GAP
Start	1	End	62
GI	2427871	Score	102
Exons	1..62		

Seq. No.	42930	Seq. ID	OJ000210_14.0404.C3
Gene No.	89669	Strand	+
Start	6734	End	8114
Name	OJ000210_14.0404.C3.o2.gs	Method	GENSCAN
Start	6734	End	8114
GI	none	Score	.77
Exons	6734..6964, 7153..7266, 7704..7891, 7991..8114		

Seq. No.	42930	Seq. ID	OJ000210_14.0404.C3
Gene No.	89670	Strand	-
Start	1310	End	3196
Name	OJ000210_14.0404.C3.o1.gs	Method	GENSCAN
Start	1310	End	3196
GI	none	Score	.59
Exons	1310..1411, 2038..2254, 2642..2914, 3066..3196		

Seq. No.	42930	Seq. ID	OJ000210_14.0404.C3
Gene No.	89671	Strand	-
Start	6939	End	7958
Name	OJ000210_14.0404.C3.o1.gp	Method	AAT/GAP
Start	6939	End	7958
GI	4881008	Score	613
Exons	6939..6999, 7691..7958		

Seq. No.	42931	Seq. ID	OJ000210_14.0404.C4
Gene No.	89672	Strand	+
Start	820	End	877
Name	OJ000210_14.0404.C4.o1.gs	Method	GENSCAN
Start	820	End	877
GI	none	Score	.43
Exons	820..877		

Seq. No.	42932	Seq. ID	OJ000210_14.0404.C5
Gene No.	89673	Strand	+
Start	426	End	2692
Name	OJ000210_14.0404.C5.o1.gs	Method	GENSCAN
Start	426	End	2692
GI	none	Score	.62
Exons	426..612, 2571..2692		

Seq. No.	42932	Seq. ID	OJ000210_14.0404.C5
Gene No.	89674	Strand	+
Start	10605	End	16787
Name	OJ000210_14.0404.C5.o2.np	Method	AAT/NAP
Start	10605	End	14855
GI	7484961	Score	173
Exons	10605..11161, 12169..12423, 13630..13891, 14764..14855		
GI Descrip.	extensin homolog T9E8.80 - Arabidopsis thaliana gi\|4584539\|emb\|CAB40769.1\| (AL049608) extensin-like protein [Arabidopsis thaliana] gi\|7268037\|emb\|CAB78376.1\| (AL161536) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	42932	Seq. ID	OJ000210_14.0404.C5
Gene No.	89674	Strand	+
Start	10605	End	16787
Name	OJ000210_14.0404.C5.o3.np	Method	AAT/NAP
Start	13688	End	16787
GI	6642652	Score	590
Exons	13688..13725, 15102..15824, 15919..16246, 16735..16787		
GI Descrip.	(AC012395) putative purple acid phosphatase [Arabidopsis thaliana]		

Seq. No.	42932	Seq. ID	OJ000210_14.0404.C5
Gene No.	89674	Strand	+
Start	10605	End	16787
Name	OJ000210_14.0404.C5.o5.gs	Method	GENSCAN
Start	14361	End	16329
GI	none	Score	.81
Exons	14361..14512, 14764..14860, 14952..15824, 15919..16007, 16095..16329		

Seq. No.	42932	Seq. ID	OJ000210_14.0404.C5
Gene No.	89675	Strand	+
Start	17123	End	17856
Name	OJ000210_14.0404.C5.o6.gs	Method	GENSCAN
Start	17123	End	17856
GI	none	Score	.61
Exons	17123..17242, 17259..17466, 17606..17856		

Seq. No.	42932	Seq. ID	OJ000210_14.0404.C5
Gene No.	89676	Strand	-
Start	3670	End	9180
Name	OJ000210_14.0404.C5.o2.gs	Method	GENSCAN
Start	3670	End	7678
GI	none	Score	.51
Exons	3670..3906, 3912..3994, 4094..4252, 4538..4645, 4765..4933, 5427..5531, 7245..7376, 7562..7678		

Seq. No.	42932	Seq. ID	OJ000210_14.0404.C5
Gene No.	89676	Strand	-
Start	3670	End	9180
Name	OJ000210_14.0404.C5.o1.np	Method	AAT/NAP
Start	7245	End	8951
GI	6721512	Score	47
Exons	7245..7374, 8929..8951		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	42932	Seq. ID	OJ000210_14.0404.C5
Gene No.	89676	Strand	-
Start	3670	End	9180
Name	OJ000210_14.0404.C5.o3.gs	Method	GENSCAN
Start	8676	End	9180
GI	none	Score	.54
Exons	8676..8813, 8824..9180		

Seq. No.	42932	Seq. ID	OJ000210_14.0404.C5
Gene No.	89677	Strand	-
Start	10394	End	13754
Name	OJ000210_14.0404.C5.o4.gs	Method	GENSCAN

Start	10394	End	13754
GI	none	Score	.48
Exons	10394..10507, 10509..10645, 10861..11154, 11635..11712, 12387..12588, 12995..13565, 13672..13754		

Seq. No.	42932	Seq. ID	OJ000210_14.0404.C5
Gene No.	89678	Strand	-
Start	18421	End	19624
Name	OJ000210_14.0404.C5.o7.gs	Method	GENSCAN
Start	18421	End	19624
GI	none	Score	.86
Exons	18421..19205, 19294..19624		

Seq. No.	42932	Seq. ID	OJ000210_14.0404.C5
Gene No.	89678	Strand	-
Start	18421	End	19624
Name	OJ000210_14.0404.C5.o4.np	Method	AAT/NAP
Start	18466	End	19618
GI	4514635	Score	704
Exons	18466..19205, 19342..19618		
GI Descrip.	(AB021175) root cap protein 1 [Zea mays]		

Seq. No.	42932	Seq. ID	OJ000210_14.0404.C5
Gene No.	89679	Strand	-
Start	20285	End	23916
Name	OJ000210_14.0404.C5.o8.gs	Method	GENSCAN
Start	20285	End	23601
GI	none	Score	.69
Exons	20285..20375, 20988..21089, 21811..21894, 22569..22687, 22773..22846, 22935..23084, 23595..23601		

Seq. No.	42932	Seq. ID	OJ000210_14.0404.C5
Gene No.	89679	Strand	-
Start	20285	End	23916
Name	OJ000210_14.0404.C5.o5.np	Method	AAT/NAP
Start	20987	End	23067
GI	7487460	Score	402
Exons	20987..21089, 22569..22687, 22773..22866, 22931..23067		
GI Descrip.	hypothetical protein T27D20.12 - Arabidopsis thaliana gi\|3377842\|gb\|AAC28224.1\| (AF076274) T27D20.12 gene product [Arabidopsis thaliana] gi\|7267175\|emb\|CAB77887.1\| (AL161499) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42932	Seq. ID	OJ000210_14.0404.C5
Gene No.	89679	Strand	-
Start	20285	End	23916
Name	OJ000210_14.0404.C5.o1.gp	Method	AAT/GAP
Start	22661	End	23916
GI	17194_1.R1084	Score	786
Exons	22661..22687, 22772..22846, 22935..23084, 23595..23659, 23762..23916		
GI Descrip.	'4510348/gb\|AAD21437.1\| 4.0e-27 (AC006921) unknown protein [Arabidopsis thaliana]'		

Seq. No.	42932	Seq. ID	OJ000210_14.0404.C5
Gene No.	89680	Strand	-
Start	25173	End	27543

Name	OJ000210_14.0404.C5.o1.tm	Method	TBLASTX:Maize
Start	14952	End	16257
GI	none	Score	526
Exons	14952..15440, 14969..15439, 15453..15569, 15488..15559, 15570..15821, 15578..15835, 15922..16002, 15945..16010, 16126..16257, 16134..16238		

Seq. No.	42932	Seq. ID	OJ000210_14.0404.C5
Gene No.	89680	Strand	-
Start	25173	End	27543
Name	OJ000210_14.0404.C5.o1.ts	Method	TBLASTX:Soybean
Start	14952	End	15397
GI	none	Score	463
Exons	14952..15395, 14969..15397		

Seq. No.	42932	Seq. ID	OJ000210_14.0404.C5
Gene No.	89680	Strand	-
Start	25173	End	27543
Name	OJ000210_14.0404.C5.o1.tc	Method	TBLASTX:Cress
Start	14988	End	16254
GI	none	Score	138
Exons	14988..15170, 15243..15353, 15360..15440, 15447..15578, 15564..15821, 15617..15817, 15955..16002, 16126..16254		

Seq. No.	42932	Seq. ID	OJ000210_14.0404.C5
Gene No.	89680	Strand	-
Start	25173	End	27543
Name	OJ000210_14.0404.C5.o2.ts	Method	TBLASTX:Soybean
Start	15569	End	15815
GI	none	Score	346
Exons	15569..15811, 15570..15815		

Seq. No.	42932	Seq. ID	OJ000210_14.0404.C5
Gene No.	89680	Strand	-
Start	25173	End	27543
Name	OJ000210_14.0404.C5.o4.ts	Method	TBLASTX:Soybean
Start	15889	End	16218
GI	none	Score	121
Exons	15889..16002, 15948..16004, 16117..16218, 16119..16217		

Seq. No.	42932	Seq. ID	OJ000210_14.0404.C5
Gene No.	89680	Strand	-
Start	25173	End	27543
Name	OJ000210_14.0404.C5.o2.tc	Method	TBLASTX:Cress
Start	18634	End	19363
GI	none	Score	82
Exons	18634..18846, 18638..18787, 18919..19041, 19150..19203, 19334..19363		

Seq. No.	42932	Seq. ID	OJ000210_14.0404.C5
Gene No.	89680	Strand	-
Start	25173	End	27543
Name	OJ000210_14.0404.C5.o3.ts	Method	TBLASTX:Soybean
Start	18943	End	19363
GI	none	Score	68
Exons	18943..19143, 18944..19174, 19138..19203, 19334..19363		

Seq. No.	42932	Seq. ID	OJ000210_14.0404.C5
Gene No.	89680	Strand	-
Start	25173	End	27543
Name	OJ000210_14.0404.C5.o3.tm	Method	TBLASTX:Maize
Start	18994	End	19171
GI	none	Score	197
Exons	18994..19035, 19025..19171, 19048..19170		

Seq. No.	42932	Seq. ID	OJ000210_14.0404.C5
Gene No.	89680	Strand	-
Start	25173	End	27543
Name	OJ000210_14.0404.C5.o4.tm	Method	TBLASTX:Maize
Start	20886	End	22690
GI	none	Score	101
Exons	20886..21092, 20978..21091, 21808..21897, 21809..21898, 21810..21896, 22564..22686, 22568..22690, 22569..22643, 22625..22687, 22636..22689		

Seq. No.	42932	Seq. ID	OJ000210_14.0404.C5
Gene No.	89680	Strand	-
Start	25173	End	27543
Name	OJ000210_14.0404.C5.o2.tm	Method	TBLASTX:Maize
Start	22789	End	23086
GI	none	Score	104
Exons	22789..22845, 22791..22844, 22933..23085, 22934..23086		

Seq. No.	42932	Seq. ID	OJ000210_14.0404.C5
Gene No.	89680	Strand	-
Start	25173	End	27543
Name	OJ000210_14.0404.C5.o9.gs	Method	GENSCAN
Start	25173	End	27543
GI	none	Score	.45
Exons	25173..25411, 25803..25938, 26376..26575, 27354..27543		

Seq. No.	42933	Seq. ID	OJ000210_14.0404.C6
Gene No.	89681	Strand	+
Start	103	End	1152
Name	OJ000210_14.0404.C6.o1.gs	Method	GENSCAN
Start	103	End	1152
GI	none	Score	.78
Exons	103..1152		

Seq. No.	42934	Seq. ID	OJ000210_14.0404.C7
Gene No.	89682	Strand	+
Start	752	End	1107
Name	OJ000210_14.0404.C7.o1.gs	Method	GENSCAN
Start	752	End	1107
GI	none	Score	.62
Exons	752..847, 979..1107		

Seq. No.	42935	Seq. ID	OJ000210_14.0404.C8
Gene No.	89683	Strand	+
Start	1305	End	2723
Name	OJ000210_14.0404.C8.o1.np	Method	AAT/NAP
Start	1305	End	2717
GI	7433237	Score	334
Exons	1305..1367, 1743..1981, 2147..2717		

GI Descrip.	hypothetical protein F7J7.140 - Arabidopsis thaliana gi\|2911077\|emb\|CAA17539.1\| (AL021960) gibberellin 20-oxidase-like protein [Arabidopsis thaliana] gi\|7268917\|emb\|CAB79120.1\| (AL161554) gibberellin 20-oxidase-like protein [Arabidopsis thaliana]		

Seq. No.	42935	Seq. ID	OJ000210_14.0404.C8
Gene No.	89683	Strand	+
Start	1305	End	2723
Name	OJ000210_14.0404.C8.o1.gs	Method	GENSCAN
Start	1713	End	2723
GI	none	Score	.4
Exons	1713..2723		

Seq. No.	42935	Seq. ID	OJ000210_14.0404.C8
Gene No.	89683	Strand	+
Start	1305	End	2723
Name	OJ000210_14.0404.C8.o1.gp	Method	AAT/GAP
Start	2072	End	2480
GI	LIB3431-060-P1-K1-A2	Score	786
Exons	2072..2480		
GI Descrip.	'3201632 3.0e-18 (AC004669) putative 2A6 protein [Arabidopsis thaliana]'		

Seq. No.	42935	Seq. ID	OJ000210_14.0404.C8
Gene No.	89684	Strand	-
Start	2633	End	3056
Name	OJ000210_14.0404.C8.o1.ts	Method	TBLASTX:Soybean
Start	2250	End	2525
GI	none	Score	202
Exons	2250..2525		

Seq. No.	42935	Seq. ID	OJ000210_14.0404.C8
Gene No.	89684	Strand	-
Start	2633	End	3056
Name	OJ000210_14.0404.C8.o1.tc	Method	TBLASTX:Cress
Start	2277	End	2585
GI	none	Score	219
Exons	2277..2585, 2288..2515		

Seq. No.	42935	Seq. ID	OJ000210_14.0404.C8
Gene No.	89684	Strand	-
Start	2633	End	3056
Name	OJ000210_14.0404.C8.o1.tm	Method	TBLASTX:Maize
Start	2277	End	2522
GI	none	Score	201
Exons	2277..2522, 2288..2485, 2334..2513		

Seq. No.	42935	Seq. ID	OJ000210_14.0404.C8
Gene No.	89684	Strand	-
Start	2633	End	3056
Name	OJ000210_14.0404.C8.o1.tw	Method	TBLASTX:Wheat
Start	2288	End	2525
GI	none	Score	189
Exons	2288..2524, 2289..2525		

Seq. No.	42935	Seq. ID	OJ000210_14.0404.C8

Gene No.	89684	Strand	-
Start	2633	End	3056
Name	OJ000210_14.0404.C8.o2.gp	Method	AAT/GAP
Start	2633	End	3056
GI	none	Score	836
Exons	2633..3056		

Seq. No.	42936	Seq. ID	OJ000210_14.0404.C15
Gene No.	89685	Strand	+
Start	1946	End	4438
Name	OJ000210_14.0404.C15.o1.gs	Method	GENSCAN
Start	1946	End	4438
GI	none	Score	.84
Exons	1946..2353, 2392..2431, 3172..3324, 3774..4438		

Seq. No.	42936	Seq. ID	OJ000210_14.0404.C15
Gene No.	89686	Strand	-
Start	849	End	4087
Name	OJ000210_14.0404.C15.o1.np	Method	AAT/NAP
Start	849	End	4087
GI	5852093	Score	90
Exons	849..890, 2516..2700, 3902..4087		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	42936	Seq. ID	OJ000210_14.0404.C15
Gene No.	89687	Strand	-
Start	5089	End	5393
Name	OJ000210_14.0404.C15.o2.gs	Method	GENSCAN
Start	5089	End	5393
GI	none	Score	.6
Exons	5089..5243, 5286..5393		

Seq. No.	42937	Seq. ID	OJ000210_14.0404.C17
Gene No.	89688	Strand	+
Start	85	End	1488
Name	OJ000210_14.0404.C17.o1.np	Method	AAT/NAP
Start	85	End	1485
GI	5360178	Score	432
Exons	85..285, 340..401, 1015..1055, 1271..1485		
GI Descrip.	(AF159882) Cen-like protein FDR2 [Oryza sativa]		

Seq. No.	42937	Seq. ID	OJ000210_14.0404.C17
Gene No.	89688	Strand	+
Start	85	End	1488
Name	OJ000210_14.0404.C17.o1.gs	Method	GENSCAN
Start	313	End	1488
GI	none	Score	1
Exons	313..401, 1015..1055, 1271..1488		

Seq. No.	42937	Seq. ID	OJ000210_14.0404.C17
Gene No.	89689	Strand	-
Start	380	End	1512
Name	OJ000210_14.0404.C17.o1.tm	Method	TBLASTX:Maize
Start	339	End	1496
GI	none	Score	124
Exons	339..401, 340..402, 1015..1059, 1016..1060, 1214..1324, 1270..1380, 1273..1371, 1296..1382, 1301..1372, 1308..1379,		

1378..1488, 1380..1496

Seq. No.	42937	Seq. ID	OJ000210_14.0404.C17
Gene No.	89689	Strand	-
Start	380	End	1512
Name	OJ000210_14.0404.C17.o1.ts	Method	TBLASTX:Soybean
Start	340	End	1512
GI	none	Score	106
Exons	340..402, 342..401, 1015..1056, 1016..1060, 1261..1512, 1276..1374, 1308..1475		

Seq. No.	42937	Seq. ID	OJ000210_14.0404.C17
Gene No.	89689	Strand	-
Start	380	End	1512
Name	OJ000210_14.0404.C17.o1.gp	Method	AAT/GAP
Start	380	End	897
GI	2427871	Score	182
Exons	380..459, 853..897		

Seq. No.	42938	Seq. ID	OJ000210_14.0404.C20
Gene No.	89690	Strand	+
Start	477	End	2251
Name	OJ000210_14.0404.C20.o1.gs	Method	GENSCAN
Start	477	End	2251
GI	none	Score	.42
Exons	477..558, 2070..2251		

Seq. No.	42938	Seq. ID	OJ000210_14.0404.C20
Gene No.	89691	Strand	+
Start	5644	End	7230
Name	OJ000210_14.0404.C20.o1.gp	Method	AAT/GAP
Start	5600	End	6014
GI	5004776	Score	830
Exons	5600..6014		
GI Descrip.	584867/sp\|P37124\|C772_SOLME 1.0e-15 CYTOCHROME P450 77A2 (CYPLXXVIIA2) (P-450EG5) >gi_481959_pir__S40266 gene CYP77A2 protein - eggplant >gi_542071_pir__S41598 cytochrome P450 77A2 - eggplant >gi_438241_emb_CAA50646_ (X71655) CYP77A2 [Solanum melongena]		

Seq. No.	42938	Seq. ID	OJ000210_14.0404.C20
Gene No.	89691	Strand	+
Start	5644	End	7230
Name	OJ000210_14.0404.C20.o2.gs	Method	GENSCAN
Start	5644	End	7230
GI	none	Score	.99
Exons	5644..7230		

Seq. No.	42938	Seq. ID	OJ000210_14.0404.C20
Gene No.	89691	Strand	+
Start	5644	End	7230
Name	OJ000210_14.0404.C20.o1.np	Method	AAT/NAP
Start	5650	End	7218
GI	584867	Score	1397
Exons	5650..7218		
GI Descrip.	CYTOCHROME P450 77A2 (CYPLXXVIIA2) (P-450EG5) gi\|481959\|pir\|\|S40266 gene CYP77A2 protein - eggplant		

gi|542071|pir||S41598 cytochrome P450 77A2 - eggplant
gi|438241|emb|CAA50646.1| (X71655) CYP77A2 [Solanum melongena]

Seq. No.	42938	Seq. ID	OJ000210_14.0404.C20
Gene No.	89691	Strand	+
Start	5644	End	7230
Name	OJ000210_14.0404.C20.o2.gp	Method	AAT/GAP
Start	6560	End	7184
GI	39319_1.R1084	Score	1147
Exons	6560..7184		
GI Descrip.	'5915821/sp\|O48928\|C773_SOYBN 4.0e-62 CYTOCHROME P450 77A3 >gi_2739010_gb_AAB94593_ (AF022464) CYP77A3p [Glycine max]'		

Seq. No.	42938	Seq. ID	OJ000210_14.0404.C20
Gene No.	89692	Strand	-
Start	6735	End	8186
Name	OJ000210_14.0404.C20.o2.tm	Method	TBLASTX:Maize
Start	5746	End	6101
GI	none	Score	294
Exons	5746..6093, 5821..6093, 5841..6101		

Seq. No.	42938	Seq. ID	OJ000210_14.0404.C20
Gene No.	89692	Strand	-
Start	6735	End	8186
Name	OJ000210_14.0404.C20.o1.ts	Method	TBLASTX:Soybean
Start	5770	End	7215
GI	none	Score	344
Exons	5770..6183, 5821..6138, 6059..6160, 6208..6270, 6346..6474, 6490..6735, 6615..6728, 6706..6849, 6738..6848, 6783..7211, 6838..7215		

Seq. No.	42938	Seq. ID	OJ000210_14.0404.C20
Gene No.	89692	Strand	-
Start	6735	End	8186
Name	OJ000210_14.0404.C20.o2.tc	Method	TBLASTX:Cress
Start	5794	End	6047
GI	none	Score	219
Exons	5794..6009, 5821..6045, 5856..6047		

Seq. No.	42938	Seq. ID	OJ000210_14.0404.C20
Gene No.	89692	Strand	-
Start	6735	End	8186
Name	OJ000210_14.0404.C20.o1.tc	Method	TBLASTX:Cress
Start	6646	End	7215
GI	none	Score	42
Exons	6646..6687, 6729..6848, 6733..6849, 6838..7215, 6840..7211		

Seq. No.	42938	Seq. ID	OJ000210_14.0404.C20
Gene No.	89692	Strand	-
Start	6735	End	8186
Name	OJ000210_14.0404.C20.o1.tm	Method	TBLASTX:Maize
Start	6724	End	7017
GI	none	Score	448
Exons	6724..6783, 6726..7016, 6727..7017, 6835..7017		

Seq. No.	42938	Seq. ID	OJ000210_14.0404.C20
Gene No.	89692	Strand	-

Start	6735	End	8186
Name	OJ000210_14.0404.C20.o2.np	Method	AAT/NAP
Start	6735	End	8186
GI	6523547	Score	310
Exons	6735..7218, 7791..8186		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	42938	Seq. ID	OJ000210_14.0404.C20
Gene No.	89692	Strand	-
Start	6735	End	8186
Name	OJ000210_14.0404.C20.o1.tw	Method	TBLASTX:Wheat
Start	6853	End	7218
GI	none	Score	108
Exons	6853..6981, 6855..6983, 6978..7211, 6979..7122, 7144..7218		

Seq. No.	42938	Seq. ID	OJ000210_14.0404.C20
Gene No.	89692	Strand	-
Start	6735	End	8186
Name	OJ000210_14.0404.C20.o3.tm	Method	TBLASTX:Maize
Start	7074	End	7271
GI	none	Score	161
Exons	7074..7172, 7075..7173, 7173..7229, 7174..7230, 7230..7271		

Seq. No.	42939	Seq. ID	OJ000210_14.0404.C21
Gene No.	89693	Strand	+
Start	152	End	1576
Name	OJ000210_14.0404.C21.o1.gs	Method	GENSCAN
Start	152	End	1576
GI	none	Score	.53
Exons	152..448, 1377..1576		

Seq. No.	42939	Seq. ID	OJ000210_14.0404.C21
Gene No.	89694	Strand	-
Start	123	End	1660
Name	OJ000210_14.0404.C21.o1.np	Method	AAT/NAP
Start	123	End	1660
GI	7340909	Score	163
Exons	123..339, 381..655, 1622..1660		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	42940	Seq. ID	OJ000210_14.0404.C22
Gene No.	89695	Strand	-
Start	278	End	2859
Name	OJ000210_14.0404.C22.o1.gs	Method	GENSCAN
Start	278	End	2859
GI	none	Score	.93
Exons	278..382, 880..1143, 1179..1400, 1590..1705, 2787..2859		

Seq. No.	42941	Seq. ID	OJ000210_14.0404.C23
Gene No.	89696	Strand	+
Start	127	End	887
Name	OJ000210_14.0404.C23.o1.gs	Method	GENSCAN
Start	127	End	887
GI	none	Score	.72
Exons	127..181, 760..887		

Seq. No.	42942	Seq. ID	OJ000210_14.0404.C24
Gene No.	89697	Strand	+
Start	15299	End	20031
Name	OJ000210_14.0404.C24.o2.np	Method	AAT/NAP
Start	15299	End	20031
GI	130582	Score	540
Exons	15299..16347, 19991..20031		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi\|100342\|pir\|\|S04273 hypothetical protein - common tobacco gi\|20045\|emb\|CAA32025\| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	42942	Seq. ID	OJ000210_14.0404.C24
Gene No.	89698	Strand	-
Start	2579	End	14615
Name	OJ000210_14.0404.C24.o1.gp	Method	AAT/GAP
Start	2377	End	4017
GI	67484_1.R1084	Score	1401
Exons	2377..2653, 2743..2823, 3069..3179, 3709..4017		
GI Descrip.	'3860258 8.0e-41 (AC005824) unknown protein [Arabidopsis thaliana]'		

Seq. No.	42942	Seq. ID	OJ000210_14.0404.C24
Gene No.	89698	Strand	-
Start	2579	End	14615
Name	OJ000210_14.0404.C24.o1.gs	Method	GENSCAN
Start	2579	End	14615
GI	none	Score	.52
Exons	2579..2653, 2743..2823, 3069..3179, 3709..3945, 4446..4795, 5854..6046, 7027..7071, 7188..7278, 7961..8140, 8492..8559, 10196..10390, 11752..11812, 12450..12496, 14281..14484, 14610..14615		

Seq. No.	42942	Seq. ID	OJ000210_14.0404.C24
Gene No.	89698	Strand	-
Start	2579	End	14615
Name	OJ000210_14.0404.C24.o1.np	Method	AAT/NAP
Start	2585	End	14498
GI	4581141	Score	334
Exons	2585..2658, 2739..2850, 3057..3218, 3709..3861, 14337..14498		
GI Descrip.	(AC006919) unknown protein [Arabidopsis thaliana]		

Seq. No.	42942	Seq. ID	OJ000210_14.0404.C24
Gene No.	89698	Strand	-
Start	2579	End	14615
Name	OJ000210_14.0404.C24.o2.gp	Method	AAT/GAP
Start	5862	End	7375
GI	572321	Score	699
Exons	5862..6046, 6993..7047, 7156..7375		

Seq. No.	42942	Seq. ID	OJ000210_14.0404.C24
Gene No.	89698	Strand	-
Start	2579	End	14615
Name	OJ000210_14.0404.C24.o3.gp	Method	AAT/GAP
Start	9915	End	12042
GI	24179_1.R1084	Score	1111
Exons	9915..10390, 11752..11812, 11931..12042		

GI Descrip. '1173350/sp|P42553|S1FA_ORYSA 3.0e-12 DNA BINDING PROTEIN S1FA'

Seq. No.	42942	Seq. ID	OJ000210_14.0404.C24
Gene No.	89699	Strand	-
Start	17493	End	19156
Name	OJ000210_14.0404.C24.o3.gs	Method	GENSCAN
Start	17493	End	19078
GI	none	Score	.82
Exons	17493..17876, 17987..18127, 18218..19078		

Seq. No.	42942	Seq. ID	OJ000210_14.0404.C24
Gene No.	89699	Strand	-
Start	17493	End	19156
Name	OJ000210_14.0404.C24.o3.np	Method	AAT/NAP
Start	17505	End	19156
GI	6505722	Score	265
Exons	17505..17851, 17980..18108, 18193..18814, 18893..19156		
GI Descrip.	(AB032123) ribosomal RNA apurinic site specific lyase [Triticum aestivum] gi\|6513849\|dbj\|BAA87876.1\| (AB032124) ribosomal RNA apurinic site specific lyase [Triticum aestivum]		

Seq. No.	42942	Seq. ID	OJ000210_14.0404.C24
Gene No.	89700	Strand	-
Start	20835	End	21205
Name	OJ000210_14.0404.C24.o2.tm	Method	TBLASTX:Maize
Start	2609	End	3946
GI	none	Score	64
Exons	2609..2656, 2609..2656, 2740..2796, 2745..2825, 2747..2827, 3040..3180, 3061..3108, 3063..3170, 3676..3756, 3707..3826, 3709..3825, 3899..3946, 3900..3929		

Seq. No.	42942	Seq. ID	OJ000210_14.0404.C24
Gene No.	89700	Strand	-
Start	20835	End	21205
Name	OJ000210_14.0404.C24.o1.tw	Method	TBLASTX:Wheat
Start	5611	End	10394
GI	none	Score	44
Exons	5611..5688, 5645..5704, 5765..6046, 5781..6050, 5816..6073, 9991..10044, 10046..10075, 10050..10076, 10051..10074, 10143..10193, 10160..10201, 10164..10391, 10262..10390, 10272..10394		

Seq. No.	42942	Seq. ID	OJ000210_14.0404.C24
Gene No.	89700	Strand	-
Start	20835	End	21205
Name	OJ000210_14.0404.C24.o1.ts	Method	TBLASTX:Soybean
Start	5814	End	10387
GI	none	Score	111
Exons	5814..5951, 5829..6041, 5831..6043, 10111..10146, 10175..10201, 10262..10387		

Seq. No.	42942	Seq. ID	OJ000210_14.0404.C24
Gene No.	89700	Strand	-
Start	20835	End	21205
Name	OJ000210_14.0404.C24.o1.tm	Method	TBLASTX:Maize
Start	5825	End	10391
GI	none	Score	212

Exons	5825..6073, 5826..6047, 5831..6067, 10169..10201, 10170..10391, 10262..10390, 10275..10391		
Seq. No.	42942	Seq. ID	OJ000210_14.0404.C24
Gene No.	89700	Strand	-
Start	20835	End	21205
Name	OJ000210_14.0404.C24.o4.gp	Method	AAT/GAP
Start	20835	End	21205
GI	95_2.R1084	Score	718
Exons	20835..21205		
GI Descrip.	'5689138/dbj\|BAA82828.1\| 0.0e+00 (AB023498) starch branching enzyme rbe4 [Oryza sativa]'		
Seq. No.	42943	Seq. ID	OJ000210_14.0404.C25
Gene No.	89701	Strand	-
Start	296	End	2368
Name	OJ000210_14.0404.C25.o1.tc	Method	TBLASTX:Cress
Start	284	End	818
GI	none	Score	143
Exons	284..424, 289..426, 295..444, 297..443, 696..818, 714..806, 722..817		
Seq. No.	42943	Seq. ID	OJ000210_14.0404.C25
Gene No.	89701	Strand	-
Start	296	End	2368
Name	OJ000210_14.0404.C25.o1.tm	Method	TBLASTX:Maize
Start	295	End	2272
GI	none	Score	206
Exons	295..444, 297..443, 694..762, 702..818, 722..817, 1173..1247, 1174..1308, 1175..1315, 1178..1315, 1511..1633, 1512..1646, 1515..1631, 1517..1648, 1713..1880, 1718..1852, 1719..1865, 2131..2253, 2137..2259, 2147..2272		
Seq. No.	42943	Seq. ID	OJ000210_14.0404.C25
Gene No.	89701	Strand	-
Start	296	End	2368
Name	OJ000210_14.0404.C25.o2.ts	Method	TBLASTX:Soybean
Start	295	End	423
GI	none	Score	176
Exons	295..423, 297..422		
Seq. No.	42943	Seq. ID	OJ000210_14.0404.C25
Gene No.	89701	Strand	-
Start	296	End	2368
Name	OJ000210_14.0404.C25.o1.gp	Method	AAT/GAP
Start	296	End	2254
GI	95_2.R1084	Score	1344
Exons	296..441, 714..817, 1180..1308, 1520..1630, 1721..1850, 2135..2254		
GI Descrip.	'5689138/dbj\|BAA82828.1\| 0.0e+00 (AB023498) starch branching enzyme rbe4 [Oryza sativa]'		
Seq. No.	42943	Seq. ID	OJ000210_14.0404.C25
Gene No.	89701	Strand	-
Start	296	End	2368
Name	OJ000210_14.0404.C25.o1.gs	Method	GENSCAN
Start	297	End	2254

GI	none	Score	1
Exons	297..441, 714..817, 1180..1308, 1520..1630, 1721..1850, 2135..2254		

Seq. No.	42943	Seq. ID	OJ000210_14.0404.C25
Gene No.	89701	Strand	-
Start	296	End	2368
Name	OJ000210_14.0404.C25.o1.np	Method	AAT/NAP
Start	297	End	2368
GI	5689138	Score	1180
Exons	297..441, 714..817, 1180..1308, 1520..1630, 1721..1850, 2135..2368		
GI Descrip.	(AB023498) starch branching enzyme rbe4 [Oryza sativa]		

Seq. No.	42943	Seq. ID	OJ000210_14.0404.C25
Gene No.	89701	Strand	-
Start	296	End	2368
Name	OJ000210_14.0404.C25.o3.ts	Method	TBLASTX:Soybean
Start	696	End	1315
GI	none	Score	145
Exons	696..818, 722..817, 1157..1303, 1171..1311, 1174..1308, 1175..1315		

Seq. No.	42943	Seq. ID	OJ000210_14.0404.C25
Gene No.	89701	Strand	-
Start	296	End	2368
Name	OJ000210_14.0404.C25.o1.ts	Method	TBLASTX:Soybean
Start	1563	End	2187
GI	none	Score	92
Exons	1563..1628, 1565..1633, 1568..1645, 1704..1847, 1720..1887, 1721..1852, 1722..1865, 2137..2187		

Seq. No.	42943	Seq. ID	OJ000210_14.0404.C25
Gene No.	89701	Strand	-
Start	296	End	2368
Name	OJ000210_14.0404.C25.o2.tc	Method	TBLASTX:Cress
Start	1799	End	2259
GI	none	Score	54
Exons	1799..1852, 1800..1865, 1801..1884, 2099..2254, 2131..2256, 2137..2259		

Seq. No.	42944	Seq. ID	OJ000210_14.0404.C26
Gene No.	89702	Strand	-
Start	1	End	2912
Name	OJ000210_14.0404.C26.o1.np	Method	AAT/NAP
Start	1	End	2912
GI	5689138	Score	1287
Exons	1..188, 374..490, 586..666, 1250..1309, 1449..1491, 1586..1684, 1947..2218, 2452..2573, 2888..2912		
GI Descrip.	(AB023498) starch branching enzyme rbe4 [Oryza sativa]		

Seq. No.	42944	Seq. ID	OJ000210_14.0404.C26
Gene No.	89702	Strand	-
Start	1	End	2912
Name	OJ000210_14.0404.C26.o1.tm	Method	TBLASTX:Maize
Start	92	End	1650
GI	none	Score	82

Exons	92..190, 96..203, 105..185, 371..490, 372..482, 373..501, 376..483, 581..667, 589..669, 1214..1279, 1281..1310, 1452..1493, 1453..1494, 1586..1645, 1588..1650		
Seq. No.	42944	Seq. ID	OJ000210_14.0404.C26
Gene No.	89702	Strand	-
Start	1	End	2912
Name	OJ000210_14.0404.C26.o1.gp	Method	AAT/GAP
Start	104	End	2575
GI	95_2.R1084	Score	1584
Exons	104..188, 374..490, 586..666, 1250..1309, 1449..1491, 1586..1684, 1947..2218, 2452..2575		
GI Descrip.	'5689138/dbj\|BAA82828.1\| 0.0e+00 (AB023498) starch branching enzyme rbe4 [Oryza sativa]'		
Seq. No.	42944	Seq. ID	OJ000210_14.0404.C26
Gene No.	89702	Strand	-
Start	1	End	2912
Name	OJ000210_14.0404.C26.o1.gs	Method	GENSCAN
Start	105	End	2573
GI	none	Score	.92
Exons	105..188, 374..490, 586..666, 1250..1309, 1449..1491, 1586..1684, 1947..2218, 2452..2573		
Seq. No.	42944	Seq. ID	OJ000210_14.0404.C26
Gene No.	89702	Strand	-
Start	1	End	2912
Name	OJ000210_14.0404.C26.o1.ts	Method	TBLASTX:Soybean
Start	416	End	1641
GI	none	Score	94
Exons	416..508, 417..482, 421..492, 583..669, 590..667, 1241..1306, 1250..1312, 1251..1310, 1252..1311, 1449..1508, 1453..1494, 1585..1641, 1588..1641		
Seq. No.	42944	Seq. ID	OJ000210_14.0404.C26
Gene No.	89702	Strand	-
Start	1	End	2912
Name	OJ000210_14.0404.C26.o2.tm	Method	TBLASTX:Maize
Start	1944	End	2569
GI	none	Score	154
Exons	1944..2093, 1946..2107, 1973..2053, 2105..2167, 2105..2167, 2467..2568, 2495..2569		
Seq. No.	42945	Seq. ID	OJ000210_14.0404.C27
Gene No.	89703	Strand	+
Start	1216	End	1649
Name	OJ000210_14.0404.C27.o1.gs	Method	GENSCAN
Start	1216	End	1649
GI	none	Score	.88
Exons	1216..1393, 1509..1649		
Seq. No.	42946	Seq. ID	OJ000210_14.0404.C28
Gene No.	89704	Strand	+
Start	155	End	264
Name	OJ000210_14.0404.C28.o1.gs	Method	GENSCAN
Start	155	End	264
GI	none	Score	.99

Exons	155..264		
Seq. No.	42946	Seq. ID	OJ000210_14.0404.C28
Gene No.	89705	Strand	+
Start	4661	End	9312
Name	OJ000210_14.0404.C28.o2.np	Method	AAT/NAP
Start	4661	End	8972
GI	6967116	Score	1547
Exons	4661..4801, 4895..5012, 5704..5778, 5844..6063, 6256..6319, 7042..7134, 7225..7321, 7607..7656, 7730..7820, 8055..8125, 8374..8472, 8636..8702, 8902..8972		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		
Seq. No.	42946	Seq. ID	OJ000210_14.0404.C28
Gene No.	89705	Strand	+
Start	4661	End	9312
Name	OJ000210_14.0404.C28.o3.gs	Method	GENSCAN
Start	4889	End	8987
GI	none	Score	.85
Exons	4889..5012, 5704..5778, 5844..6063, 6256..6319, 7042..7134, 7213..7321, 7607..7656, 7730..7820, 8055..8125, 8374..8472, 8636..8702, 8902..8987		
Seq. No.	42946	Seq. ID	OJ000210_14.0404.C28
Gene No.	89705	Strand	+
Start	4661	End	9312
Name	OJ000210_14.0404.C28.o3.gp	Method	AAT/GAP
Start	5691	End	7664
GI	6051_1.R1084	Score	1098
Exons	5691..5778, 5844..6063, 6256..6319, 7042..7134, 7213..7321, 7607..7664		
GI Descrip.	'3023945/sp\|O22446\|HDAC_ARATH 2.0e-86 HISTONE DEACETYLASE (HD) >gi_2318131 (AF014824) histone deacetylase [Arabidopsis thaliana]'		
Seq. No.	42946	Seq. ID	OJ000210_14.0404.C28
Gene No.	89705	Strand	+
Start	4661	End	9312
Name	OJ000210_14.0404.C28.o4.gp	Method	AAT/GAP
Start	8074	End	9312
GI	25884_1.R1084	Score	1149
Exons	8074..8125, 8374..8472, 8636..8702, 8902..9312		
GI Descrip.	'4545130/gb\|AAD22407.1\|AF091326_1 2.0e-09 (AF091326) histone deacetylase [Plasmodium falciparum]'		
Seq. No.	42946	Seq. ID	OJ000210_14.0404.C28
Gene No.	89706	Strand	-
Start	1889	End	3974
Name	OJ000210_14.0404.C28.o2.gs	Method	GENSCAN
Start	1889	End	3974
GI	none	Score	.72
Exons	1889..1951, 1979..2158, 2243..2310, 3004..3566, 3639..3735, 3857..3974		
Seq. No.	42946	Seq. ID	OJ000210_14.0404.C28
Gene No.	89706	Strand	-
Start	1889	End	3974

Name	OJ000210_14.0404.C28.o3.tm	Method	TBLASTX:Maize
Start	1977	End	2313
GI	none	Score	202
Exons	1977..2159, 1978..2160, 1979..2182, 1983..2159, 1988..2161, 2186..2311, 2231..2311, 2232..2312, 2242..2313, 2242..2313		

Seq. No.	42946	Seq. ID	OJ000210_14.0404.C28
Gene No.	89706	Strand	-
Start	1889	End	3974
Name	OJ000210_14.0404.C28.o1.np	Method	AAT/NAP
Start	1979	End	3514
GI	6143879	Score	783
Exons	1979..2158, 2243..2310, 3004..3514		
GI Descrip.	(AC010927) unknown protein [Arabidopsis thaliana]		

Seq. No.	42946	Seq. ID	OJ000210_14.0404.C28
Gene No.	89706	Strand	-
Start	1889	End	3974
Name	OJ000210_14.0404.C28.o1.tc	Method	TBLASTX:Cress
Start	2243	End	3500
GI	none	Score	324
Exons	2243..2314, 3011..3049, 3099..3500, 3101..3499		

Seq. No.	42946	Seq. ID	OJ000210_14.0404.C28
Gene No.	89706	Strand	-
Start	1889	End	3974
Name	OJ000210_14.0404.C28.o2.ts	Method	TBLASTX:Soybean
Start	2997	End	3499
GI	none	Score	89
Exons	2997..3083, 2999..3103, 3071..3286, 3078..3287, 3293..3499, 3300..3494		

Seq. No.	42946	Seq. ID	OJ000210_14.0404.C28
Gene No.	89706	Strand	-
Start	1889	End	3974
Name	OJ000210_14.0404.C28.o1.tm	Method	TBLASTX:Maize
Start	3083	End	3500
GI	none	Score	66
Exons	3083..3139, 3083..3169, 3114..3500, 3140..3499		

Seq. No.	42946	Seq. ID	OJ000210_14.0404.C28
Gene No.	89706	Strand	-
Start	1889	End	3974
Name	OJ000210_14.0404.C28.o1.gp	Method	AAT/GAP
Start	3152	End	3552
GI	702530	Score	634
Exons	3152..3552		

Seq. No.	42946	Seq. ID	OJ000210_14.0404.C28
Gene No.	89707	Strand	
Start	3915	End	8125
Name	OJ000210_14.0404.C28.o2.tm	Method	TBLASTX:Maize
Start	3915	End	7792
GI	none	Score	80
Exons	3915..3962, 3918..3962, 4670..4801, 4687..4800, 4692..4802, 4703..4801, 4871..4987, 4885..5016, 4895..5011, 4897..5013, 4947..5042, 5676..5798, 5701..5781, 5705..5797, 5838..6062,		

5840..6070, 6249..6320, 6253..6324, 6254..6319, 6254..6349, 7033..7134, 7036..7137, 7040..7135, 7047..7139, 7213..7323, 7213..7320, 7214..7321, 7215..7328, 7215..7358, 7604..7660, 7605..7658, 7605..7661, 7606..7659, 7726..7761, 7729..7791, 7754..7792

Seq. No.	42946	Seq. ID	OJ000210_14.0404.C28
Gene No.	89707	Strand	
Start	3915	End	8125
Name	OJ000210_14.0404.C28.o2.tc	Method	TBLASTX:Cress
Start	4691	End	8125
GI	none	Score	112
Exons	4691..4798, 4862..5011, 5705..5779, 5706..5798, 5855..6070, 5875..6069, 5876..6070, 5877..6071, 6254..6295, 6293..6319, 7033..7137, 7059..7106, 7213..7323, 7224..7358, 7602..7658, 7606..7659, 7735..7857, 7736..7813, 8054..8125		

Seq. No.	42946	Seq. ID	OJ000210_14.0404.C28
Gene No.	89707	Strand	
Start	3915	End	8125
Name	OJ000210_14.0404.C28.o1.ts	Method	TBLASTX:Soybean
Start	5705	End	7125
GI	none	Score	139
Exons	5705..5773, 5706..5798, 5707..5781, 5839..6063, 5840..6070, 5842..6069, 5843..6070, 6253..6330, 6254..6319, 6850..6927, 7047..7121, 7048..7125		

Seq. No.	42946	Seq. ID	OJ000210_14.0404.C28
Gene No.	89707	Strand	
Start	3915	End	8125
Name	OJ000210_14.0404.C28.o1.tw	Method	TBLASTX:Wheat
Start	7063	End	7801
GI	none	Score	78
Exons	7063..7137, 7213..7323, 7215..7322, 7606..7659, 7724..7801, 7735..7794		

Seq. No.	42947	Seq. ID	OJ000210_14.0404.C29
Gene No.	89708	Strand	+
Start	1	End	3174
Name	OJ000210_14.0404.C29.o1.np	Method	AAT/NAP
Start	1	End	2647
GI	2832717	Score	2080
Exons	1..383, 851..1016, 1093..1304, 1553..2046, 2131..2179, 2321..2647		
GI Descrip.	(AJ003114) alkaline/neutral invertase [Lolium temulentum]		

Seq. No.	42947	Seq. ID	OJ000210_14.0404.C29
Gene No.	89708	Strand	+
Start	1	End	3174
Name	OJ000210_14.0404.C29.o1.gs	Method	GENSCAN
Start	103	End	3174
GI	none	Score	.69
Exons	103..383, 851..1016, 1093..1304, 1553..1888, 2321..2646, 2940..3174		

Seq. No.	42947	Seq. ID	OJ000210_14.0404.C29
Gene No.	89709	Strand	-

Start	3493	End	7770
Name	OJ000210_14.0404.C29.o3.ts	Method	TBLASTX:Soybean
Start	138	End	1268
GI	none	Score	102
Exons	138..245, 212..235, 219..377, 284..358, 824..1012, 851..1018, 985..1017, 1085..1222, 1089..1220, 1098..1229, 1221..1250, 1248..1268		

Seq. No.	42947	Seq. ID	OJ000210_14.0404.C29
Gene No.	89709	Strand	-
Start	3493	End	7770
Name	OJ000210_14.0404.C29.o2.tc	Method	TBLASTX:Cress
Start	165	End	1663
GI	none	Score	276
Exons	165..383, 284..364, 824..1018, 845..1018, 846..1022, 1085..1300, 1089..1304, 1092..1304, 1549..1656, 1551..1595, 1577..1663		

Seq. No.	42947	Seq. ID	OJ000210_14.0404.C29
Gene No.	89709	Strand	-
Start	3493	End	7770
Name	OJ000210_14.0404.C29.o5.tm	Method	TBLASTX:Maize
Start	165	End	383
GI	none	Score	261
Exons	165..383, 212..379, 288..383		

Seq. No.	42947	Seq. ID	OJ000210_14.0404.C29
Gene No.	89709	Strand	-
Start	3493	End	7770
Name	OJ000210_14.0404.C29.o4.tm	Method	TBLASTX:Maize
Start	836	End	1175
GI	none	Score	130
Exons	836..1018, 844..1014, 845..1018, 1085..1174, 1088..1174, 1089..1175		

Seq. No.	42947	Seq. ID	OJ000210_14.0404.C29
Gene No.	89709	Strand	-
Start	3493	End	7770
Name	OJ000210_14.0404.C29.o2.tw	Method	TBLASTX:Wheat
Start	862	End	1300
GI	none	Score	45
Exons	862..912, 884..916, 956..1018, 971..1018, 1085..1141, 1089..1298, 1187..1300		

Seq. No.	42947	Seq. ID	OJ000210_14.0404.C29
Gene No.	89709	Strand	-
Start	3493	End	7770
Name	OJ000210_14.0404.C29.o3.tm	Method	TBLASTX:Maize
Start	1175	End	2566
GI	none	Score	218
Exons	1175..1300, 1176..1304, 1176..1304, 1426..1470, 1541..2044, 1557..1883, 1577..2047, 1714..2046, 2135..2179, 2146..2178, 2317..2523, 2318..2566, 2399..2566		

Seq. No.	42947	Seq. ID	OJ000210_14.0404.C29
Gene No.	89709	Strand	-
Start	3493	End	7770
Name	OJ000210_14.0404.C29.o2.ts	Method	TBLASTX:Soybean

Start	1269	End	1935
GI	none	Score	67
Exons	1269..1304, 1550..1933, 1551..1616, 1577..1933, 1711..1935		

Seq. No.	42947	Seq. ID	OJ000210_14.0404.C29
Gene No.	89709	Strand	-
Start	3493	End	7770
Name	OJ000210_14.0404.C29.o3.tw	Method	TBLASTX:Wheat
Start	1577	End	1801
GI	none	Score	220
Exons	1577..1801, 1673..1786, 1711..1794		

Seq. No.	42947	Seq. ID	OJ000210_14.0404.C29
Gene No.	89709	Strand	-
Start	3493	End	7770
Name	OJ000210_14.0404.C29.o3.tc	Method	TBLASTX:Cress
Start	1711	End	2179
GI	none	Score	437
Exons	1711..1878, 1712..2047, 1712..2047, 2128..2178, 2135..2179		

Seq. No.	42947	Seq. ID	OJ000210_14.0404.C29
Gene No.	89709	Strand	-
Start	3493	End	7770
Name	OJ000210_14.0404.C29.o6.ts	Method	TBLASTX:Soybean
Start	1937	End	2179
GI	none	Score	160
Exons	1937..2047, 1939..2046, 2128..2178, 2135..2179		

Seq. No.	42947	Seq. ID	OJ000210_14.0404.C29
Gene No.	89709	Strand	-
Start	3493	End	7770
Name	OJ000210_14.0404.C29.o4.tc	Method	TBLASTX:Cress
Start	2327	End	2569
GI	none	Score	263
Exons	2327..2569, 2329..2526		

Seq. No.	42947	Seq. ID	OJ000210_14.0404.C29
Gene No.	89709	Strand	-
Start	3493	End	7770
Name	OJ000210_14.0404.C29.o5.ts	Method	TBLASTX:Soybean
Start	2339	End	2575
GI	none	Score	285
Exons	2339..2575, 2339..2569, 2356..2571		

Seq. No.	42947	Seq. ID	OJ000210_14.0404.C29
Gene No.	89709	Strand	-
Start	3493	End	7770
Name	OJ000210_14.0404.C29.o1.tm	Method	TBLASTX:Maize
Start	3308	End	5267
GI	none	Score	35
Exons	3308..3331, 3309..3332, 3332..3382, 3398..3427, 3398..3436, 3493..3570, 3493..3585, 3550..4344, 3581..4345, 4046..4393, 4065..4424, 4065..4415, 4525..5166, 4560..4868, 4562..4954, 5001..5141, 5033..5170, 5147..5212, 5149..5265, 5169..5267, 5170..5265		

Seq. No.	42947	Seq. ID	OJ000210_14.0404.C29

Gene No.	89709	Strand	-
Start	3493	End	7770
Name	OJ000210_14.0404.C29.o2.gs	Method	GENSCAN
Start	3493	End	7595
GI	none	Score	.79
Exons	3493..4036, 4562..6047, 6128..6194, 6750..6831, 7324..7595		

Seq. No.	42947	Seq. ID	OJ000210_14.0404.C29
Gene No.	89709	Strand	-
Start	3493	End	7770
Name	OJ000210_14.0404.C29.o2.np	Method	AAT/NAP
Start	3496	End	7770
GI	4510342	Score	1497
Exons	3496..4342, 4562..5065, 7747..7770		
GI Descrip.	(AC006921) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	42947	Seq. ID	OJ000210_14.0404.C29
Gene No.	89709	Strand	-
Start	3493	End	7770
Name	OJ000210_14.0404.C29.o3.np	Method	AAT/NAP
Start	3496	End	7144
GI	7529713	Score	1454
Exons	3496..4342, 4562..5065, 7123..7144		
GI Descrip.	(AL132969) protein kinase-like [Arabidopsis thaliana]		

Seq. No.	42947	Seq. ID	OJ000210_14.0404.C29
Gene No.	89709	Strand	-
Start	3493	End	7770
Name	OJ000210_14.0404.C29.o1.tw	Method	TBLASTX:Wheat
Start	3508	End	3933
GI	none	Score	157
Exons	3508..3924, 3540..3923, 3581..3931, 3583..3933		

Seq. No.	42947	Seq. ID	OJ000210_14.0404.C29
Gene No.	89709	Strand	-
Start	3493	End	7770
Name	OJ000210_14.0404.C29.o1.ts	Method	TBLASTX:Soybean
Start	3544	End	4641
GI	none	Score	395
Exons	3544..3996, 3587..3997, 4090..4122, 4123..4344, 4139..4342, 4525..4641, 4568..4639		

Seq. No.	42947	Seq. ID	OJ000210_14.0404.C29
Gene No.	89709	Strand	-
Start	3493	End	7770
Name	OJ000210_14.0404.C29.o1.tc	Method	TBLASTX:Cress
Start	3581	End	4954
GI	none	Score	394
Exons	3581..3997, 3595..3996, 4072..4119, 4156..4344, 4181..4342, 4558..4953, 4568..4954		

Seq. No.	42947	Seq. ID	OJ000210_14.0404.C29
Gene No.	89709	Strand	-
Start	3493	End	7770
Name	OJ000210_14.0404.C29.o4.ts	Method	TBLASTX:Soybean
Start	4642	End	4959
GI	none	Score	258

Exons	4642..4959, 4643..4954		
Seq. No.	42947	Seq. ID	OJ000210_14.0404.C29
Gene No.	89709	Strand	-
Start	3493	End	7770
Name	OJ000210_14.0404.C29.o2.tm	Method	TBLASTX:Maize
Start	5277	End	6067
GI	none	Score	65
Exons	5277..5327, 5279..5326, 5326..5376, 5327..5377, 5362..5478, 5378..5479, 5497..5571, 5513..6061, 5551..6045, 5564..6067		
Seq. No.	42948	Seq. ID	OJ000210_14.0404.C31
Gene No.	89710	Strand	+
Start	205	End	633
Name	OJ000210_14.0404.C31.o1.gs	Method	GENSCAN
Start	205	End	633
GI	none	Score	.63
Exons	205..308, 557..633		
Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89711	Strand	+
Start	368	End	4072
Name	OJ000450_19.0410.C2.o1.np	Method	AAT/NAP
Start	368	End	3845
GI	7433571	Score	2038
Exons	368..499, 891..987, 1153..1255, 1366..1496, 1678..1855, 1951..2108, 2338..2547, 2624..2971, 3053..3179, 3697..3845		
GI Descrip.	probable phosphoribosylaminoimidazolecarboxamide formyltransferase (EC 2.1.2.3) - Arabidopsis thaliana gi\|3033398\|gb\|AAC12842.1\| (AC004238) putative phosphoribosylaminoimidazolecarboxamide formyltransferase [Arabidopsis thaliana]		
Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89711	Strand	+
Start	368	End	4072
Name	OJ000450_19.0410.C2.o1.gs	Method	GENSCAN
Start	1366	End	3853
GI	none	Score	.97
Exons	1366..1496, 1678..1855, 1951..2108, 2338..2547, 2624..2971, 3053..3179, 3537..3642, 3697..3853		
Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89711	Strand	+
Start	368	End	4072
Name	OJ000450_19.0410.C2.o1.gp	Method	AAT/GAP
Start	1669	End	2401
GI	LIB3475-002-P1-K2-A6	Score	723
Exons	1669..1855, 1951..2108, 2338..2401		
GI Descrip.	'3033398 5.0e-59 (AC004238) putative phosphoribosylaminoimidazolecarboxamide formyltransferase [Arabidopsis thaliana]'		
Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89711	Strand	+
Start	368	End	4072
Name	OJ000450_19.0410.C2.o2.gp	Method	AAT/GAP

Start	2472	End	4072
GI	30332_1.R1084	Score	1692
Exons	2472..2547, 2624..2971, 3053..3179, 3697..4072		
GI Descrip.	'5922603/dbj\|AP000492.1\|AP000492 9.0e-15 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01'		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89712	Strand	+
Start	4454	End	5301
Name	OJ000450_19.0410.C2.o2.np	Method	AAT/NAP
Start	4454	End	5301
GI	6815099	Score	84
Exons	4454..4631, 5175..5301		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89713	Strand	+
Start	8380	End	13182
Name	OJ000450_19.0410.C2.o3.gs	Method	GENSCAN
Start	8380	End	13135
GI	none	Score	.79
Exons	8380..8634, 8730..8828, 8912..9007, 9141..9239, 9320..9418, 10899..11045, 11564..13135		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89713	Strand	+
Start	8380	End	13182
Name	OJ000450_19.0410.C2.o3.gp	Method	AAT/GAP
Start	12942	End	13182
GI	2797252	Score	448
Exons	12942..13182		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89714	Strand	+
Start	17608	End	22121
Name	OJ000450_19.0410.C2.o3.np	Method	AAT/NAP
Start	17581	End	21790
GI	6136087	Score	1590
Exons	17581..17778, 18288..18342, 18431..18582, 18684..18723, 19096..19185, 19261..19376, 19497..19571, 19754..19793, 19883..19965, 20075..20152, 20256..20399, 20481..20548, 21216..21330, 21430..21586, 21696..21790		
GI Descrip.	PROBABLE UDP-N-ACETYLGLUCOSAMINE PYROPHOSPHORYLASE gi\|3033397\|gb\|AAC12841.1\| (AC004238) putative UDP-N-acetylglucosamine pyrophosphorylase [Arabidopsis thaliana]		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89714	Strand	+
Start	17608	End	22121
Name	OJ000450_19.0410.C2.o4.gs	Method	GENSCAN
Start	17608	End	21793
GI	none	Score	.8
Exons	17608..17778, 18288..18342, 18365..18582, 18684..18723, 19096..19185, 19273..19376, 19497..19515, 19883..19965, 20075..20152, 20256..20399, 20481..20548, 21216..21330, 21430..21586, 21696..21793		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89714	Strand	+
Start	17608	End	22121
Name	OJ000450_19.0410.C2.o4.gp	Method	AAT/GAP
Start	18100	End	18163
GI	2310474	Score	80
Exons	18100..18163		
GI Descrip.	5922603/dbj\|AP000492.1\|AP000492 9.0e-15 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89714	Strand	+
Start	17608	End	22121
Name	OJ000450_19.0410.C2.o5.gp	Method	AAT/GAP
Start	18283	End	18582
GI	64392_1.R1084	Score	371
Exons	18283..18342, 18431..18582		
GI Descrip.	'3033397 7.0e-28 (AC004238) unknown protein [Arabidopsis thaliana]'		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89714	Strand	+
Start	17608	End	22121
Name	OJ000450_19.0410.C2.o6.gp	Method	AAT/GAP
Start	18288	End	18788
GI	64392_1.R1084	Score	393
Exons	18288..18342, 18431..18582, 18684..18788		
GI Descrip.	'3033397 7.0e-28 (AC004238) unknown protein [Arabidopsis thaliana]'		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89714	Strand	+
Start	17608	End	22121
Name	OJ000450_19.0410.C2.o7.gp	Method	AAT/GAP
Start	20329	End	22121
GI	24450_1.R1084	Score	1568
Exons	20329..20399, 20481..20548, 21216..21330, 21430..21586, 21696..22121		
GI Descrip.	'2388565 2.0e-18 (AC000098) Similar to Prunus pectinesterase (gb_X95991). [Arabidopsis thaliana]'		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89715	Strand	+
Start	30458	End	32256
Name	OJ000450_19.0410.C2.o6.gs	Method	GENSCAN
Start	30458	End	32256
GI	none	Score	.85
Exons	30458..30752, 31113..31207, 31451..31888, 32116..32256		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89716	Strand	+
Start	35952	End	38141
Name	OJ000450_19.0410.C2.o8.gs	Method	GENSCAN
Start	35952	End	38141
GI	none	Score	.81
Exons	35952..36257, 36505..36657, 37992..38141		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89716	Strand	+
Start	35952	End	38141
Name	OJ000450_19.0410.C2.o8.np	Method	AAT/NAP
Start	36477	End	37909
GI	3738309	Score	135
Exons	36477..36657, 37805..37909		
GI Descrip.	(AC005309) unknown protein [Arabidopsis thaliana]		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89717	Strand	-
Start	4180	End	6931
Name	OJ000450_19.0410.C2.o2.gs	Method	GENSCAN
Start	4180	End	6931
GI	none	Score	.87
Exons	4180..4323, 6305..6341, 6498..6931		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89718	Strand	-
Start	22202	End	30058
Name	OJ000450_19.0410.C2.o5.gs	Method	GENSCAN
Start	22202	End	30058
GI	none	Score	.73
Exons	22202..22373, 22413..22723, 22806..22992, 23092..23274, 23379..23678, 25076..25165, 25252..25396, 25981..26081, 26164..26341, 27073..27159, 28946..29300, 29305..29416, 29925..30058		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89718	Strand	-
Start	22202	End	30058
Name	OJ000450_19.0410.C2.o4.np	Method	AAT/NAP
Start	22209	End	23767
GI	2388565	Score	1107
Exons	22209..22373, 22464..22723, 22806..23012, 23103..23274, 23385..23767		
GI Descrip.	(AC000098) Similar to Prunus pectinesterase (gb\|X95991). [Arabidopsis thaliana]		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89718	Strand	-
Start	22202	End	30058
Name	OJ000450_19.0410.C2.o8.gp	Method	AAT/GAP
Start	23207	End	23766
GI	701877	Score	846
Exons	23207..23274, 23379..23766		
GI Descrip.	2388565 2.0e-18 (AC000098) Similar to Prunus pectinesterase (gb_X95991). [Arabidopsis thaliana]		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89718	Strand	-
Start	22202	End	30058
Name	OJ000450_19.0410.C2.o5.np	Method	AAT/NAP
Start	24371	End	26216
GI	133867	Score	644
Exons	24371..24457, 25076..25165, 25252..25396, 25981..26081, 26164..26216		

GI Descrip. 40S RIBOSOMAL PROTEIN S11 gi|82722|pir||S16577 ribosomal protein S11 - maize gi|22470|emb|CAA39438| (X55967) ribosomal protein S11 [Zea mays]

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89718	Strand	-
Start	22202	End	30058
Name	OJ000450_19.0410.C2.o9.gp	Method	AAT/GAP
Start	25085	End	27164
GI	27379_1.R1084	Score	828
Exons	25085..25165, 25252..25396, 25981..26081, 26164..26204, 27073..27164		
GI Descrip.	'133867/sp\|P25460\|RS11_MAIZE 4.0e-59 40S RIBOSOMAL PROTEIN S11 >gi_82722_pir__S16577 ribosomal protein S11 - maize >gi_22470_emb_CAA39438_ (X55967) ribosomal protein S11 [Zea mays]'		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89718	Strand	-
Start	22202	End	30058
Name	OJ000450_19.0410.C2.o6.np	Method	AAT/NAP
Start	28630	End	28737
GI	6815099	Score	128
Exons	28630..28737		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89718	Strand	-
Start	22202	End	30058
Name	OJ000450_19.0410.C2.o7.np	Method	AAT/NAP
Start	28630	End	28934
GI	6815099	Score	102
Exons	28630..28934		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89719	Strand	-
Start	34903	End	35171
Name	OJ000450_19.0410.C2.o7.gs	Method	GENSCAN
Start	34903	End	35171
GI	none	Score	.98
Exons	34903..34954, 35002..35171		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89720	Strand	-
Start	36494	End	36670
Name	OJ000450_19.0410.C2.o8.tc	Method	TBLASTX:Cress
Start	417	End	1415
GI	none	Score	104
Exons	417..521, 422..505, 892..990, 897..989, 1149..1256, 1152..1256, 1153..1257, 1358..1402, 1359..1415		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89720	Strand	-
Start	36494	End	36670
Name	OJ000450_19.0410.C2.o7.ts	Method	TBLASTX:Soybean
Start	422	End	1466

GI	none	Score	102
Exons	422..502, 423..500, 570..617, 892..990, 894..989, 1152..1256, 1153..1257, 1358..1420, 1359..1421, 1416..1466		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89720	Strand	-
Start	36494	End	36670
Name	OJ000450_19.0410.C2.o3.tm	Method	TBLASTX:Maize
Start	1216	End	2561
GI	none	Score	69
Exons	1216..1257, 1216..1254, 1218..1256, 1358..1495, 1359..1496, 1365..1496, 1366..1497, 1630..1857, 1657..1857, 1941..2108, 1944..2108, 1949..2113, 2048..2110, 2335..2547, 2335..2547, 2337..2561		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89720	Strand	-
Start	36494	End	36670
Name	OJ000450_19.0410.C2.o1.tc	Method	TBLASTX:Cress
Start	1421	End	2386
GI	none	Score	113
Exons	1421..1495, 1422..1496, 1422..1496, 1657..1848, 1722..1844, 1952..2113, 1959..2108, 2335..2385, 2336..2386		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89720	Strand	-
Start	36494	End	36670
Name	OJ000450_19.0410.C2.o6.ts	Method	TBLASTX:Soybean
Start	1657	End	1848
GI	none	Score	262
Exons	1657..1848, 1668..1844		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89720	Strand	-
Start	36494	End	36670
Name	OJ000450_19.0410.C2.o1.ts	Method	TBLASTX:Soybean
Start	1945	End	3854
GI	none	Score	247
Exons	1945..2058, 1946..2113, 1947..2108, 2048..2119, 2335..2559, 2335..2547, 2337..2561, 2621..2971, 2623..2892, 2627..2971, 2629..2976, 3032..3178, 3032..3178, 3052..3186, 3695..3844, 3696..3854		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89720	Strand	-
Start	36494	End	36670
Name	OJ000450_19.0410.C2.o1.tm	Method	TBLASTX:Maize
Start	2635	End	3860
GI	none	Score	529
Exons	2635..2976, 2636..2971, 3032..3187, 3050..3172, 3052..3186, 3695..3844, 3696..3860		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89720	Strand	-
Start	36494	End	36670
Name	OJ000450_19.0410.C2.o6.tc	Method	TBLASTX:Cress
Start	3695	End	3860

GI	none	Score	236
Exons	3695..3838, 3696..3860		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89720	Strand	-
Start	36494	End	36670
Name	OJ000450_19.0410.C2.o5.tm	Method	TBLASTX:Maize
Start	11901	End	13433
GI	none	Score	160
Exons	11901..12221, 11913..12239, 11915..12238, 11935..12246, 11939..12256, 11941..12249, 11948..12241, 11949..12191, 12029..12262, 12044..12259, 12071..12259, 12090..12266, 12094..12207, 12101..12253, 12109..12258, 12121..12288, 12165..12263, 12259..12453, 12259..12366, 12261..12470, 12262..12453, 12276..12452, 12287..12463, 12294..12449, 12297..12449, 12298..12402, 12322..12474, 12328..12450, 12336..12401, 12341..12463, 12354..12425, 12355..12426, 12355..12447, 12446..12721, 12464..12706, 12468..12641, 12473..12730, 12479..12838, 12479..12838, 12482..12652, 12484..12720, 12493..12597, 12527..12973, 12529..12723, 12559..12822, 12590..12823, 12592..12894, 12593..13048, 12595..12969, 12600..12779, 12611..12919, 12613..12804, 12615..12662, 12661..13026, 12670..12921, 12671..13090, 12671..12916, 12685..12918, 12688..12921, 12698..12790, 12711..12974, 12714..12932, 12753..13040, 12754..13002, 12791..13054, 12797..13087, 12809..12853, 12809..12853, 12811..12861, 12813..12860, 12814..13047, 12862..13086, 12868..13089, 12869..13042, 12875..13087, 12883..13068, 12886..13086, 12896..12988, 12940..13089, 12955..13086, 12996..13049, 13007..13051, 13069..13098, 13128..13211, 13140..13262, 13140..13235, 13140..13184, 13141..13182, 13141..13182, 13145..13186, 13160..13273, 13244..13360, 13247..13357, 13258..13371, 13258..13374, 13398..13433		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89720	Strand	-
Start	36494	End	36670
Name	OJ000450_19.0410.C2.o7.tc	Method	TBLASTX:Cress
Start	17674	End	19361
GI	none	Score	152
Exons	17674..17778, 18285..18347, 18290..18343, 18429..18578, 18490..18552, 18677..18727, 18678..18725, 19089..19175, 19097..19174, 19283..19360, 19284..19361		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89720	Strand	-
Start	36494	End	36670
Name	OJ000450_19.0410.C2.o7.tm	Method	TBLASTX:Maize
Start	17680	End	19328
GI	none	Score	146
Exons	17680..17778, 17686..17778, 18285..18347, 18287..18343, 18420..18581, 18440..18583, 18501..18584, 18665..18727, 18678..18725, 19066..19176, 19067..19177, 19080..19175, 19089..19184, 19097..19183, 19275..19328, 19283..19327		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89720	Strand	-

Start	36494	End	36670
Name	OJ000450_19.0410.C2.o2.ts	Method	TBLASTX:Soybean
Start	18468	End	21798
GI	none	Score	93
Exons	18468..18575, 18487..18552, 18681..18725, 18683..18727, 19089..19190, 19097..19180, 19104..19190, 19105..19191, 19274..19366, 19280..19381, 19281..19379, 19496..19573, 19497..19574, 19743..19790, 19754..19792, 19879..19968, 19880..19966, 19881..19967, 20058..20138, 20074..20145, 20075..20152, 20246..20437, 20253..20417, 20480..20569, 20481..20549, 21217..21333, 21222..21332, 21228..21350, 21421..21588, 21424..21459, 21438..21587, 21692..21793, 21694..21798		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89720	Strand	-
Start	36494	End	36670
Name	OJ000450_19.0410.C2.o2.tm	Method	TBLASTX:Maize
Start	19334	End	22012
GI	none	Score	76
Exons	19334..19369, 19335..19379, 19496..19573, 19497..19574, 19752..19793, 19754..19792, 19881..19967, 19882..19968, 19882..19971, 20069..20152, 20069..20152, 20070..20156, 20074..20157, 20074..20157, 20224..20400, 20252..20437, 20253..20417, 20481..20597, 20484..20552, 21213..21335, 21216..21332, 21217..21333, 21217..21342, 21218..21334, 21421..21588, 21432..21587, 21688..21816, 21692..21814, 21723..21839, 21897..21938, 21913..21936, 21914..21949, 21962..22012		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89720	Strand	-
Start	36494	End	36670
Name	OJ000450_19.0410.C2.o4.tc	Method	TBLASTX:Cress
Start	20080	End	20417
GI	none	Score	103
Exons	20080..20145, 20081..20152, 20246..20395, 20246..20413, 20253..20417		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89720	Strand	-
Start	36494	End	36670
Name	OJ000450_19.0410.C2.o2.tc	Method	TBLASTX:Cress
Start	21246	End	21793
GI	none	Score	109
Exons	21246..21332, 21247..21333, 21421..21588, 21435..21587, 21692..21793, 21694..21792		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89720	Strand	-
Start	36494	End	36670
Name	OJ000450_19.0410.C2.o1.tw	Method	TBLASTX:Wheat
Start	21453	End	21819
GI	none	Score	203
Exons	21453..21587, 21454..21588, 21455..21592, 21692..21793, 21694..21795, 21706..21819		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89720	Strand	-
Start	36494	End	36670
Name	OJ000450_19.0410.C2.o6.tm	Method	TBLASTX:Maize
Start	22227	End	22658
GI	none	Score	72
Exons	22227..22367, 22232..22372, 22466..22657, 22476..22658		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89720	Strand	-
Start	36494	End	36670
Name	OJ000450_19.0410.C2.o3.ts	Method	TBLASTX:Soybean
Start	22232	End	22595
GI	none	Score	94
Exons	22232..22375, 22236..22364, 22463..22585, 22463..22594, 22467..22595		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89720	Strand	-
Start	36494	End	36670
Name	OJ000450_19.0410.C2.o5.tc	Method	TBLASTX:Cress
Start	22505	End	23013
GI	none	Score	85
Exons	22505..22621, 22595..22666, 22800..22973, 22806..23012, 22828..23013		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89720	Strand	-
Start	36494	End	36670
Name	OJ000450_19.0410.C2.o8.tm	Method	TBLASTX:Maize
Start	22797	End	23013
GI	none	Score	147
Exons	22797..23012, 22822..23013		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89720	Strand	-
Start	36494	End	36670
Name	OJ000450_19.0410.C2.o5.ts	Method	TBLASTX:Soybean
Start	22800	End	23273
GI	none	Score	94
Exons	22800..23003, 22806..23015, 22822..23013, 23106..23171, 23178..23273		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89720	Strand	-
Start	36494	End	36670
Name	OJ000450_19.0410.C2.o3.tw	Method	TBLASTX:Wheat
Start	22806	End	23535
GI	none	Score	123
Exons	22806..23015, 22816..23013, 23184..23273, 23381..23494, 23503..23535		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89720	Strand	-
Start	36494	End	36670
Name	OJ000450_19.0410.C2.o4.ts	Method	TBLASTX:Soybean
Start	24380	End	26207

GI	none	Score	81
Exons	24380..24463, 24385..24462, 25075..25158, 25076..25153, 25077..25160, 25242..25394, 25243..25395, 25249..25398, 25251..25406, 25982..26038, 25986..26084, 26166..26207		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89720	Strand	-
Start	36494	End	36670
Name	OJ000450_19.0410.C2.o4.tm	Method	TBLASTX:Maize
Start	24380	End	26207
GI	none	Score	110
Exons	24380..24463, 24385..24462, 24386..24463, 25075..25167, 25076..25168, 25218..25406, 25242..25397, 25243..25398, 25250..25402, 25977..26036, 25979..26038, 25980..26084, 25982..26086, 26044..26091, 26166..26207, 26167..26205		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89720	Strand	-
Start	36494	End	36670
Name	OJ000450_19.0410.C2.o3.tc	Method	TBLASTX:Cress
Start	24385	End	26207
GI	none	Score	86
Exons	24385..24462, 24386..24463, 25070..25165, 25075..25167, 25076..25165, 25218..25406, 25243..25398, 25979..26038, 25980..26036, 25983..26078, 26166..26207		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89720	Strand	-
Start	36494	End	36670
Name	OJ000450_19.0410.C2.o2.tw	Method	TBLASTX:Wheat
Start	36454	End	36655
GI	none	Score	258
Exons	36454..36654, 36489..36653, 36503..36655		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89720	Strand	-
Start	36494	End	36670
Name	OJ000450_19.0410.C2.o9.tm	Method	TBLASTX:Maize
Start	36454	End	36657
GI	none	Score	247
Exons	36454..36657, 36489..36650		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89720	Strand	-
Start	36494	End	36670
Name	OJ000450_19.0410.C2.o8.ts	Method	TBLASTX:Soybean
Start	36457	End	36670
GI	none	Score	201
Exons	36457..36657, 36489..36653, 36527..36670		

Seq. No.	42949	Seq. ID	OJ000450_19.0410.C2
Gene No.	89720	Strand	-
Start	36494	End	36670
Name	OJ000450_19.0410.C2.o11.gp	Method	AAT/GAP
Start	36494	End	36658
GI	15861_1.R1084	Score	262
Exons	36494..36658		

GI Descrip.	'3738309 2.0e-72 (AC005309) unknown protein [Arabidopsis thaliana]'		
Seq. No.	42950	Seq. ID	OJ000450_19.0410.C6
Gene No.	89721	Strand	+
Start	1	End	661
Name	OJ000450_19.0410.C6.o1.np	Method	AAT/NAP
Start	1	End	661
GI	130582	Score	622
Exons	1..661		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi\|100342\|pir\|\|S04273 hypothetical protein - common tobacco gi\|20045\|emb\|CAA32025\| (X13777) ORF [Nicotiana tabacum]		
Seq. No.	42950	Seq. ID	OJ000450_19.0410.C6
Gene No.	89722	Strand	-
Start	5215	End	6231
Name	OJ000450_19.0410.C6.o2.tm	Method	TBLASTX:Maize
Start	2	End	177
GI	none	Score	208
Exons	2..169, 4..177, 4..159		
Seq. No.	42950	Seq. ID	OJ000450_19.0410.C6
Gene No.	89722	Strand	-
Start	5215	End	6231
Name	OJ000450_19.0410.C6.o1.tc	Method	TBLASTX:Cress
Start	53	End	655
GI	none	Score	59
Exons	53..181, 176..280, 290..427, 443..655		
Seq. No.	42950	Seq. ID	OJ000450_19.0410.C6
Gene No.	89722	Strand	-
Start	5215	End	6231
Name	OJ000450_19.0410.C6.o1.tw	Method	TBLASTX:Wheat
Start	175	End	628
GI	none	Score	163
Exons	175..396, 206..409, 260..412, 428..628, 439..606		
Seq. No.	42950	Seq. ID	OJ000450_19.0410.C6
Gene No.	89722	Strand	-
Start	5215	End	6231
Name	OJ000450_19.0410.C6.o1.tm	Method	TBLASTX:Maize
Start	233	End	655
GI	none	Score	547
Exons	233..655, 250..651		
Seq. No.	42950	Seq. ID	OJ000450_19.0410.C6
Gene No.	89722	Strand	-
Start	5215	End	6231
Name	OJ000450_19.0410.C6.o1.ts	Method	TBLASTX:Soybean
Start	254	End	652
GI	none	Score	302
Exons	254..529, 257..526, 539..652, 547..645		
Seq. No.	42950	Seq. ID	OJ000450_19.0410.C6
Gene No.	89722	Strand	-

Start	5215	End	6231
Name	OJ000450_19.0410.C6.o2.gs	Method	GENSCAN
Start	5215	End	6231
GI	none	Score	.62
Exons	5215..5307, 5356..5618, 6009..6231		

Seq. No.	42951	Seq. ID	OJ000450_19.0410.C7
Gene No.	89723	Strand	+
Start	94	End	246
Name	OJ000450_19.0410.C7.o1.gs	Method	GENSCAN
Start	94	End	246
GI	none	Score	.7
Exons	94..246		

Seq. No.	42951	Seq. ID	OJ000450_19.0410.C7
Gene No.	89724	Strand	+
Start	1152	End	1812
Name	OJ000450_19.0410.C7.o2.gs	Method	GENSCAN
Start	1152	End	1812
GI	none	Score	.74
Exons	1152..1230, 1736..1812		

Seq. No.	42951	Seq. ID	OJ000450_19.0410.C7
Gene No.	89725	Strand	+
Start	5853	End	5958
Name	OJ000450_19.0410.C7.o2.gp	Method	AAT/GAP
Start	5853	End	5958
GI	5867_1.R1084	Score	135
Exons	5853..5958		
GI Descrip.	'464986/sp\|P35132\|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	42951	Seq. ID	OJ000450_19.0410.C7
Gene No.	89726	Strand	+
Start	7512	End	11289
Name	OJ000450_19.0410.C7.o2.np	Method	AAT/NAP
Start	7512	End	11289
GI	6016874	Score	229
Exons	7512..7539, 9688..9895, 11266..11289		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	42951	Seq. ID	OJ000450_19.0410.C7
Gene No.	89727	Strand	+
Start	18888	End	20237
Name	OJ000450_19.0410.C7.o5.gs	Method	GENSCAN
Start	18888	End	20237
GI	none	Score	.88
Exons	18888..20237		

Seq. No.	42951	Seq. ID	OJ000450_19.0410.C7

Gene No.	89728	Strand	+
Start	22577	End	24928
Name	OJ000450_19.0410.C7.o6.gs	Method	GENSCAN
Start	22577	End	24723
GI	none	Score	.7
Exons	22577..23146, 23311..23472, 23863..24723		

Seq. No.	42951	Seq. ID	OJ000450_19.0410.C7
Gene No.	89728	Strand	+
Start	22577	End	24928
Name	OJ000450_19.0410.C7.o3.np	Method	AAT/NAP
Start	23018	End	24928
GI	479357	Score	1543
Exons	23018..23221, 23311..24928		
GI Descrip.	hypothetical protein 612 - maize transposon MuA2 gi\|22375\|emb\|CAA44165\| (X62251) ORF [Zea mays]		

Seq. No.	42951	Seq. ID	OJ000450_19.0410.C7
Gene No.	89729	Strand	-
Start	304	End	15186
Name	OJ000450_19.0410.C7.o1.gp	Method	AAT/GAP
Start	304	End	1183
GI	4107138	Score	1233
Exons	304..1183		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	42951	Seq. ID	OJ000450_19.0410.C7
Gene No.	89729	Strand	-
Start	304	End	15186
Name	OJ000450_19.0410.C7.o1.np	Method	AAT/NAP
Start	965	End	15186
GI	6063554	Score	316
Exons	965..1135, 2500..2729, 3805..3836, 7614..7749, 15100..15186		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42951	Seq. ID	OJ000450_19.0410.C7
Gene No.	89729	Strand	-
Start	304	End	15186
Name	OJ000450_19.0410.C7.o3.gs	Method	GENSCAN
Start	2120	End	5341
GI	none	Score	.63
Exons	2120..2387, 2393..2779, 3016..3133, 3180..3371, 3693..4004, 4778..4908, 4955..5001, 5080..5233, 5238..5341		

Seq. No.	42951	Seq. ID	OJ000450_19.0410.C7
Gene No.	89730	Strand	-
Start	25959	End	29436
Name	OJ000450_19.0410.C7.o7.gs	Method	GENSCAN
Start	25959	End	29339
GI	none	Score	.79
Exons	25959..26084, 26232..26339, 26448..26514, 26596..26754, 26886..27031, 27502..27591, 28836..29339		

Seq. No.	42951	Seq. ID	OJ000450_19.0410.C7

Gene No.	89730	Strand	-
Start	25959	End	29436
Name	OJ000450_19.0410.C7.o3.gp	Method	AAT/GAP
Start	26977	End	28974
GI	2311027	Score	516
Exons	26977..27031, 27502..27591, 28836..28974		
GI Descrip.	6015116/sp\|O82653\|ERG_ARATH 3.0e-34 GTP-BINDING PROTEIN ERG >gi_3676071_emb_CAA76979_ (Y17969) ERG protein [Arabidopsis thaliana]		

Seq. No.	42951	Seq. ID	OJ000450_19.0410.C7
Gene No.	89730	Strand	-
Start	25959	End	29436
Name	OJ000450_19.0410.C7.o4.np	Method	AAT/NAP
Start	28836	End	29436
GI	7508879	Score	147
Exons	28836..29436		
GI Descrip.	hypothetical protein W03D2.1 - Caenorhabditis elegans gi\|1947160\|gb\|AAC48255.1\| (AF000298) weak similarity to collagens; glycine- and proline-rich [Caenorhabditis elegans]		

Seq. No.	42951	Seq. ID	OJ000450_19.0410.C7
Gene No.	89731	Strand	-
Start	31223	End	32553
Name	OJ000450_19.0410.C7.o6.tm	Method	TBLASTX:Maize
Start	21345	End	21791
GI	none	Score	153
Exons	21345..21452, 21347..21454, 21347..21451, 21648..21791, 21649..21789		

Seq. No.	42951	Seq. ID	OJ000450_19.0410.C7
Gene No.	89731	Strand	-
Start	31223	End	32553
Name	OJ000450_19.0410.C7.o3.tm	Method	TBLASTX:Maize
Start	23293	End	23706
GI	none	Score	321
Exons	23293..23706, 23295..23705		

Seq. No.	42951	Seq. ID	OJ000450_19.0410.C7
Gene No.	89731	Strand	-
Start	31223	End	32553
Name	OJ000450_19.0410.C7.o1.tm	Method	TBLASTX:Maize
Start	23766	End	24531
GI	none	Score	276
Exons	23766..24014, 23767..24024, 24019..24078, 24031..24078, 24076..24468, 24144..24275, 24363..24461, 24480..24515, 24481..24531		

Seq. No.	42951	Seq. ID	OJ000450_19.0410.C7
Gene No.	89731	Strand	-
Start	31223	End	32553
Name	OJ000450_19.0410.C7.o7.tm	Method	TBLASTX:Maize
Start	24611	End	25076
GI	none	Score	103
Exons	24611..24715, 24613..24711, 24647..24712, 24714..24755, 24747..24872, 24771..24866, 24788..24877, 24811..24882, 24967..25035, 24996..25040, 25050..25076		

Seq. No.	42951	Seq. ID	OJ000450_19.0410.C7
Gene No.	89731	Strand	-
Start	31223	End	32553
Name	OJ000450_19.0410.C7.o2.tm	Method	TBLASTX:Maize
Start	26235	End	26733
GI	none	Score	146
Exons	26235..26342, 26235..26339, 26237..26341, 26444..26521, 26446..26514, 26448..26516, 26449..26523, 26583..26732, 26594..26731, 26595..26732, 26596..26733		

Seq. No.	42951	Seq. ID	OJ000450_19.0410.C7
Gene No.	89731	Strand	-
Start	31223	End	32553
Name	OJ000450_19.0410.C7.o1.ts	Method	TBLASTX:Soybean
Start	26271	End	26917
GI	none	Score	88
Exons	26271..26339, 26440..26523, 26448..26516, 26583..26762, 26595..26753, 26596..26757, 26891..26917		

Seq. No.	42951	Seq. ID	OJ000450_19.0410.C7
Gene No.	89731	Strand	-
Start	31223	End	32553
Name	OJ000450_19.0410.C7.o5.tm	Method	TBLASTX:Maize
Start	26889	End	29108
GI	none	Score	221
Exons	26889..27032, 26890..27039, 26891..27031, 27474..27590, 27487..27591, 27502..27591, 28833..28925, 28834..28905, 28836..28949, 29022..29108, 29031..29093		

Seq. No.	42951	Seq. ID	OJ000450_19.0410.C7
Gene No.	89731	Strand	-
Start	31223	End	32553
Name	OJ000450_19.0410.C7.o4.gp	Method	AAT/GAP
Start	30784	End	30997
GI	5005105	Score	364
Exons	30784..30997		

Seq. No.	42951	Seq. ID	OJ000450_19.0410.C7
Gene No.	89731	Strand	-
Start	31223	End	32553
Name	OJ000450_19.0410.C7.o1.tc	Method	TBLASTX:Cress
Start	31217	End	32531
GI	none	Score	118
Exons	31217..31408, 31223..31537, 31317..31415, 32358..32531, 32361..32519, 32363..32524		

Seq. No.	42951	Seq. ID	OJ000450_19.0410.C7
Gene No.	89731	Strand	-
Start	31223	End	32553
Name	OJ000450_19.0410.C7.o2.ts	Method	TBLASTX:Soybean
Start	31220	End	32516
GI	none	Score	89
Exons	31220..31474, 31220..31537, 31227..31529, 32358..32516, 32363..32515		

Seq. No.	42951	Seq. ID	OJ000450_19.0410.C7

Gene No.	89731	Strand	-
Start	31223	End	32553
Name	OJ000450_19.0410.C7.o4.tm	Method	TBLASTX:Maize
Start	31223	End	32416
GI	none	Score	43
Exons	31223..31537, 31227..31262, 31229..31504, 31317..31529, 32363..32416, 32364..32414		

Seq. No.	42951	Seq. ID	OJ000450_19.0410.C7
Gene No.	89731	Strand	-
Start	31223	End	32553
Name	OJ000450_19.0410.C7.o8.gs	Method	GENSCAN
Start	31223	End	31498
GI	none	Score	.72
Exons	31223..31498		

Seq. No.	42951	Seq. ID	OJ000450_19.0410.C7
Gene No.	89731	Strand	-
Start	31223	End	32553
Name	OJ000450_19.0410.C7.o5.np	Method	AAT/NAP
Start	31226	End	32553
GI	3252866	Score	467
Exons	31226..31528, 32363..32553		
GI Descrip.	(AF033535) putative zinc transporter [Arabidopsis thaliana]		

Seq. No.	42952	Seq. ID	OJ000450_19.0410.C9
Gene No.	89732	Strand	-
Start	201	End	824
Name	OJ000450_19.0410.C9.o1.gs	Method	GENSCAN
Start	201	End	767
GI	none	Score	.59
Exons	201..767		

Seq. No.	42952	Seq. ID	OJ000450_19.0410.C9
Gene No.	89732	Strand	-
Start	201	End	824
Name	OJ000450_19.0410.C9.o1.np	Method	AAT/NAP
Start	230	End	824
GI	7487366	Score	192
Exons	230..646, 683..824		
GI Descrip.	hypothetical protein T23J7.150 - Arabidopsis thaliana gi\|4741199\|emb\|CAB41865.1\| (AL049746) putative protein [Arabidopsis thaliana]		

Seq. No.	42952	Seq. ID	OJ000450_19.0410.C9
Gene No.	89732	Strand	-
Start	201	End	824
Name	OJ000450_19.0410.C9.o1.tm	Method	TBLASTX:Maize
Start	270	End	641
GI	none	Score	60
Exons	270..314, 348..425, 351..425, 397..546, 405..518, 558..641		

Seq. No.	42953	Seq. ID	OJ000450_19.0410.C11
Gene No.	89733	Strand	-
Start	528	End	557
Name	OJ000450_19.0410.C11.o1.gs	Method	GENSCAN
Start	528	End	557

GI	none	Score	.96
Exons	528..557		

Seq. No.	42954	Seq. ID	OJ000450_19.0410.C13
Gene No.	89734	Strand	+
Start	502	End	617
Name	OJ000450_19.0410.C13.o1.gs	Method	GENSCAN
Start	502	End	617
GI	none	Score	.84
Exons	502..617		

Seq. No.	42954	Seq. ID	OJ000450_19.0410.C13
Gene No.	89735	Strand	-
Start	1	End	638
Name	OJ000450_19.0410.C13.o1.np	Method	AAT/NAP
Start	1	End	638
GI	5091543	Score	231
Exons	1..102, 250..308, 427..638		
GI Descrip.	(AC007067) T10O24.12 [Arabidopsis thaliana]		

Seq. No.	42955	Seq. ID	OJ000450_19.0410.C16
Gene No.	89736	Strand	+
Start	3196	End	4272
Name	OJ000450_19.0410.C16.o2.np	Method	AAT/NAP
Start	3196	End	4272
GI	6069647	Score	297
Exons	3196..3255, 3919..4272		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa] gi\|6907113\|dbj\|BAA90640.1\| (AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	42955	Seq. ID	OJ000450_19.0410.C16
Gene No.	89737	Strand	+
Start	6335	End	7936
Name	OJ000450_19.0410.C16.o2.gs	Method	GENSCAN
Start	6335	End	7654
GI	none	Score	.97
Exons	6335..7654		

Seq. No.	42955	Seq. ID	OJ000450_19.0410.C16
Gene No.	89737	Strand	+
Start	6335	End	7936
Name	OJ000450_19.0410.C16.o3.gp	Method	AAT/GAP
Start	7397	End	7936
GI	none	Score	1028
Exons	7397..7936		

Seq. No.	42955	Seq. ID	OJ000450_19.0410.C16
Gene No.	89738	Strand	+
Start	10493	End	13090
Name	OJ000450_19.0410.C16.o4.gs	Method	GENSCAN
Start	10493	End	12940
GI	none	Score	.57
Exons	10493..11939, 12096..12412, 12775..12940		

Seq. No.	42955	Seq. ID	OJ000450_19.0410.C16
Gene No.	89738	Strand	+

Start	10493	End	13090
Name	OJ000450_19.0410.C16.o3.np	Method	AAT/NAP
Start	10523	End	13090
GI	4388818	Score	1159
Exons	10523..13090		
GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	42955	Seq. ID	OJ000450_19.0410.C16
Gene No.	89738	Strand	+
Start	10493	End	13090
Name	OJ000450_19.0410.C16.o4.np	Method	AAT/NAP
Start	10662	End	13090
GI	6623973	Score	1173
Exons	10662..13090		
GI Descrip.	(AC007505) Highly similar to Ta1-3 polyprotein [Arabidopsis thaliana]		

Seq. No.	42955	Seq. ID	OJ000450_19.0410.C16
Gene No.	89739	Strand	-
Start	1	End	1862
Name	OJ000450_19.0410.C16.o1.np	Method	AAT/NAP
Start	1	End	1862
GI	100484	Score	1054
Exons	1..1505, 1548..1862		
GI Descrip.	hypothetical protein - garden snapdragon		

Seq. No.	42955	Seq. ID	OJ000450_19.0410.C16
Gene No.	89740	Strand	-
Start	2140	End	2598
Name	OJ000450_19.0410.C16.o1.gp	Method	AAT/GAP
Start	2140	End	2598
GI	LIB3432-044-P1-K1-F5	Score	808
Exons	2140..2598		
GI Descrip.	'4959460/gb\|AF126053.1\|AF126053 6.0e-10 Zea mays RACB small GTP binding protein mRNA, complete cds'		

Seq. No.	42955	Seq. ID	OJ000450_19.0410.C16
Gene No.	89741	Strand	-
Start	3533	End	3602
Name	OJ000450_19.0410.C16.o2.gp	Method	AAT/GAP
Start	3533	End	3602
GI	LIB3477-003-P1-K1-E9	Score	96
Exons	3533..3602		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	42955	Seq. ID	OJ000450_19.0410.C16
Gene No.	89742	Strand	-
Start	8306	End	8524
Name	OJ000450_19.0410.C16.o1.tm	Method	TBLASTX:Maize
Start	168	End	626
GI	none	Score	428
Exons	168..626, 171..623		

Seq. No.	42955	Seq. ID	OJ000450_19.0410.C16

Gene No.	89742	Strand	-
Start	8306	End	8524
Name	OJ000450_19.0410.C16.o2.tw	Method	TBLASTX:Wheat
Start	741	End	1043
GI	none	Score	131
Exons	741..1043, 741..1043		

Seq. No.	42955	Seq. ID	OJ000450_19.0410.C16
Gene No.	89742	Strand	-
Start	8306	End	8524
Name	OJ000450_19.0410.C16.o2.tm	Method	TBLASTX:Maize
Start	783	End	1251
GI	none	Score	307
Exons	783..1085, 783..1091, 784..1092, 1095..1250, 1095..1250, 1102..1251		

Seq. No.	42955	Seq. ID	OJ000450_19.0410.C16
Gene No.	89742	Strand	-
Start	8306	End	8524
Name	OJ000450_19.0410.C16.o1.tc	Method	TBLASTX:Cress
Start	828	End	1178
GI	none	Score	82
Exons	828..1049, 850..984, 1071..1178, 1072..1164		

Seq. No.	42955	Seq. ID	OJ000450_19.0410.C16
Gene No.	89742	Strand	-
Start	8306	End	8524
Name	OJ000450_19.0410.C16.o3.gs	Method	GENSCAN
Start	8306	End	8524
GI	none	Score	.84
Exons	8306..8524		

Seq. No.	42955	Seq. ID	OJ000450_19.0410.C16
Gene No.	89743	Strand	
Start	10840	End	11210
Name	OJ000450_19.0410.C16.o4.tw	Method	TBLASTX:Wheat
Start	10840	End	11210
GI	none	Score	111
Exons	10840..10986, 10841..10987, 10860..10988, 10973..11083, 11015..11071, 11075..11143, 11169..11210		

Seq. No.	42955	Seq. ID	OJ000450_19.0410.C16
Gene No.	89744	Strand	
Start	11921	End	12493
Name	OJ000450_19.0410.C16.o3.tm	Method	TBLASTX:Maize
Start	11921	End	12415
GI	none	Score	318
Exons	11921..12415, 12055..12357		

Seq. No.	42955	Seq. ID	OJ000450_19.0410.C16
Gene No.	89744	Strand	
Start	11921	End	12493
Name	OJ000450_19.0410.C16.o1.tw	Method	TBLASTX:Wheat
Start	11929	End	12474
GI	none	Score	319
Exons	11929..12354, 11930..12382, 12415..12474		

Seq. No.	42955	Seq. ID	OJ000450_19.0410.C16
Gene No.	89744	Strand	
Start	11921	End	12493
Name	OJ000450_19.0410.C16.o1.ts	Method	TBLASTX:Soybean
Start	12164	End	12493
GI	none	Score	266
Exons	12164..12493, 12172..12492		

Seq. No.	42955	Seq. ID	OJ000450_19.0410.C16
Gene No.	89745	Strand	
Start	12825	End	13085
Name	OJ000450_19.0410.C16.o3.tw	Method	TBLASTX:Wheat
Start	12825	End	13085
GI	none	Score	169
Exons	12825..12980, 12826..12984, 12986..13084, 12987..13085		

Seq. No.	42956	Seq. ID	OJ000450_18.0412.C1
Gene No.	89746	Strand	+
Start	3187	End	3495
Name	OJ000450_18.0412.C1.o1.gp	Method	AAT/GAP
Start	3187	End	3495
GI	61605_3.R1084	Score	450
Exons	3187..3495		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	42956	Seq. ID	OJ000450_18.0412.C1
Gene No.	89747	Strand	+
Start	9540	End	16728
Name	OJ000450_18.0412.C1.o3.np	Method	AAT/NAP
Start	9540	End	16728
GI	6729346	Score	1970
Exons	9540..9597, 11466..12395, 12430..12811, 12876..12998, 13142..13314, 13478..13718, 14077..14169, 14238..14378, 14504..14596, 14779..14983, 15139..15224, 15678..15766, 15915..15966, 16044..16100, 16192..16321, 16442..16545, 16628..16728		
GI Descrip.	(AB037133) IRE [Arabidopsis thaliana]		

Seq. No.	42956	Seq. ID	OJ000450_18.0412.C1
Gene No.	89747	Strand	+
Start	9540	End	16728
Name	OJ000450_18.0412.C1.o3.gs	Method	GENSCAN
Start	11459	End	16708
GI	none	Score	.82
Exons	11459..12595, 12876..12998, 13142..13314, 13478..13718, 14077..14169, 14238..14378, 14504..14596, 14779..14983, 15139..15224, 15678..15766, 15915..15966, 16192..16359, 16465..16545, 16628..16708		

Seq. No.	42956	Seq. ID	OJ000450_18.0412.C1
Gene No.	89748	Strand	-
Start	256	End	10885
Name	OJ000450_18.0412.C1.o1.gs	Method	GENSCAN
Start	256	End	3051
GI	none	Score	.54
Exons	256..422, 526..575, 2664..3051		

Seq. No.	42956	Seq. ID	OJ000450_18.0412.C1
Gene No.	89748	Strand	-
Start	256	End	10885
Name	OJ000450_18.0412.C1.o1.np	Method	AAT/NAP
Start	2209	End	7021
GI	479357	Score	876
Exons	2209..3234, 6166..6721, 6798..7021		
GI Descrip.	hypothetical protein 612 - maize transposon MuA2 gi\|22375\|emb\|CAA44165\| (X62251) ORF [Zea mays]		

Seq. No.	42956	Seq. ID	OJ000450_18.0412.C1
Gene No.	89748	Strand	-
Start	256	End	10885
Name	OJ000450_18.0412.C1.o2.gs	Method	GENSCAN
Start	4588	End	10799
GI	none	Score	.53
Exons	4588..4685, 5049..5152, 5218..5424, 5429..5546, 6291..6732, 6812..7602, 8226..8281, 10240..10799		

Seq. No.	42956	Seq. ID	OJ000450_18.0412.C1
Gene No.	89748	Strand	-
Start	256	End	10885
Name	OJ000450_18.0412.C1.o2.np	Method	AAT/NAP
Start	8129	End	10836
GI	5922635	Score	431
Exons	8129..8273, 10238..10523, 10557..10836		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016868\|dbj\|BAA85211.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	42956	Seq. ID	OJ000450_18.0412.C1
Gene No.	89748	Strand	-
Start	256	End	10885
Name	OJ000450_18.0412.C1.o2.gp	Method	AAT/GAP
Start	9986	End	10373
GI	uC-osf1M2020114f03a1	Score	764
Exons	9986..10373		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	42956	Seq. ID	OJ000450_18.0412.C1
Gene No.	89748	Strand	-
Start	256	End	10885
Name	OJ000450_18.0412.C1.o3.gp	Method	AAT/GAP
Start	10383	End	10885
GI	96420_1.R1084	Score	991
Exons	10383..10885		
GI Descrip.	'5922603/dbj\|AP000492.1\|AP000492 3.0e-15 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01'		

Seq. No.	42956	Seq. ID	OJ000450_18.0412.C1
Gene No.	89749	Strand	-
Start	17745	End	18859
Name	OJ000450_18.0412.C1.o1.tm	Method	TBLASTX:Maize
Start	2366	End	3150
GI	none	Score	69

Exons	2366..2515, 2428..2559, 2567..2665, 2569..2721, 2728..3078, 2729..2890, 2737..3000, 2945..3007, 3091..3150, 3092..3142		
Seq. No.	42956	Seq. ID	OJ000450_18.0412.C1
Gene No.	89749	Strand	-
Start	17745	End	18859
Name	OJ000450_18.0412.C1.o4.tm	Method	TBLASTX:Maize
Start	6154	End	6337
GI	none	Score	98
Exons	6154..6336, 6191..6337		
Seq. No.	42956	Seq. ID	OJ000450_18.0412.C1
Gene No.	89749	Strand	-
Start	17745	End	18859
Name	OJ000450_18.0412.C1.o2.tm	Method	TBLASTX:Maize
Start	6337	End	6735
GI	none	Score	174
Exons	6337..6735, 6338..6727		
Seq. No.	42956	Seq. ID	OJ000450_18.0412.C1
Gene No.	89749	Strand	-
Start	17745	End	18859
Name	OJ000450_18.0412.C1.o1.tc	Method	TBLASTX:Cress
Start	11777	End	11953
GI	none	Score	207
Exons	11777..11953		
Seq. No.	42956	Seq. ID	OJ000450_18.0412.C1
Gene No.	89749	Strand	-
Start	17745	End	18859
Name	OJ000450_18.0412.C1.o3.tm	Method	TBLASTX:Maize
Start	13506	End	15221
GI	none	Score	87
Exons	13506..13718, 14080..14172, 14238..14381, 14486..14599, 14932..14988, 15138..15221		
Seq. No.	42956	Seq. ID	OJ000450_18.0412.C1
Gene No.	89749	Strand	-
Start	17745	End	18859
Name	OJ000450_18.0412.C1.o1.ts	Method	TBLASTX:Soybean
Start	13604	End	14381
GI	none	Score	184
Exons	13604..13720, 13605..13724, 14070..14171, 14070..14171, 14071..14172, 14074..14184, 14236..14346, 14237..14347, 14237..14380, 14238..14381		
Seq. No.	42956	Seq. ID	OJ000450_18.0412.C1
Gene No.	89749	Strand	-
Start	17745	End	18859
Name	OJ000450_18.0412.C1.o2.ts	Method	TBLASTX:Soybean
Start	14528	End	16720
GI	none	Score	103
Exons	14528..14599, 14773..15000, 14778..14846, 14931..14999, 15137..15220, 15138..15233, 15518..15538, 15660..15767, 15677..15727, 15708..15764, 15913..15984, 16041..16100, 16041..16103, 16188..16256, 16192..16308, 16510..16545, 16625..16720		

Seq. No.	42956	Seq. ID	OJ000450_18.0412.C1
Gene No.	89749	Strand	-
Start	17745	End	18859
Name	OJ000450_18.0412.C1.o4.gs	Method	GENSCAN
Start	17745	End	18859
GI	none	Score	.65
Exons	17745..17808, 17939..18068, 18155..18326, 18701..18859		

Seq. No.	42956	Seq. ID	OJ000450_18.0412.C1
Gene No.	89749	Strand	-
Start	17745	End	18859
Name	OJ000450_18.0412.C1.o4.gp	Method	AAT/GAP
Start	17835	End	18070
GI	2797189	Score	415
Exons	17835..18070		

Seq. No.	42957	Seq. ID	OJ000450_18.0412.C2
Gene No.	89750	Strand	+
Start	435	End	6515
Name	OJ000450_18.0412.C2.o1.gs	Method	GENSCAN
Start	435	End	6515
GI	none	Score	.46
Exons	435..449, 539..2917, 2981..3163, 3182..3830, 4219..4568, 4719..5581, 5699..6515		

Seq. No.	42957	Seq. ID	OJ000450_18.0412.C2
Gene No.	89750	Strand	+
Start	435	End	6515
Name	OJ000450_18.0412.C2.o1.np	Method	AAT/NAP
Start	557	End	6512
GI	7228457	Score	8507
Exons	557..923, 985..2917, 2981..3815, 3938..4895, 4962..6512		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	42957	Seq. ID	OJ000450_18.0412.C2
Gene No.	89751	Strand	+
Start	10480	End	16765
Name	OJ000450_18.0412.C2.o3.np	Method	AAT/NAP
Start	10480	End	12056
GI	5042454	Score	220
Exons	10480..10609, 10708..10776, 11468..11633, 11996..12056		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	42957	Seq. ID	OJ000450_18.0412.C2
Gene No.	89751	Strand	+
Start	10480	End	16765
Name	OJ000450_18.0412.C2.o3.gs	Method	GENSCAN
Start	11380	End	16696
GI	none	Score	.69
Exons	11380..11516, 11597..11639, 12102..12173, 12398..12440, 13141..13185, 13216..13371, 13588..13621, 14518..14635, 14710..14792, 14879..15044, 15251..15319, 15843..15868, 15973..16054, 16578..16696		

Seq. No.	42957	Seq. ID	OJ000450_18.0412.C2
Gene No.	89751	Strand	+
Start	10480	End	16765
Name	OJ000450_18.0412.C2.o4.np	Method	AAT/NAP
Start	13724	End	16765
GI	7258379	Score	149
Exons	13724..13865, 14360..14408, 14480..14711, 14847..15059, 15124..15323, 15838..16061, 16135..16181, 16578..16765		
GI Descrip.	(AL138650) putative protein [Arabidopsis thaliana]		

Seq. No.	42957	Seq. ID	OJ000450_18.0412.C2
Gene No.	89752	Strand	-
Start	7150	End	10388
Name	OJ000450_18.0412.C2.o7.tw	Method	TBLASTX:Wheat
Start	1211	End	1600
GI	none	Score	54
Exons	1211..1255, 1262..1360, 1279..1359, 1327..1563, 1343..1600		

Seq. No.	42957	Seq. ID	OJ000450_18.0412.C2
Gene No.	89752	Strand	-
Start	7150	End	10388
Name	OJ000450_18.0412.C2.o6.tm	Method	TBLASTX:Maize
Start	1250	End	1498
GI	none	Score	192
Exons	1250..1498, 1252..1497		

Seq. No.	42957	Seq. ID	OJ000450_18.0412.C2
Gene No.	89752	Strand	-
Start	7150	End	10388
Name	OJ000450_18.0412.C2.o3.tw	Method	TBLASTX:Wheat
Start	2338	End	2824
GI	none	Score	398
Exons	2338..2511, 2339..2824, 2533..2793		

Seq. No.	42957	Seq. ID	OJ000450_18.0412.C2
Gene No.	89752	Strand	-
Start	7150	End	10388
Name	OJ000450_18.0412.C2.o1.tw	Method	TBLASTX:Wheat
Start	2988	End	3451
GI	none	Score	215
Exons	2988..3431, 2989..3444, 2990..3451, 2990..3445		

Seq. No.	42957	Seq. ID	OJ000450_18.0412.C2
Gene No.	89752	Strand	-
Start	7150	End	10388
Name	OJ000450_18.0412.C2.o3.ts	Method	TBLASTX:Soybean
Start	3029	End	3394
GI	none	Score	111
Exons	3029..3253, 3260..3394		

Seq. No.	42957	Seq. ID	OJ000450_18.0412.C2
Gene No.	89752	Strand	-
Start	7150	End	10388
Name	OJ000450_18.0412.C2.o1.tm	Method	TBLASTX:Maize
Start	3119	End	3475
GI	none	Score	383
Exons	3119..3475, 3154..3465, 3359..3475		

Seq. No.	42957	Seq. ID	OJ000450_18.0412.C2
Gene No.	89752	Strand	-
Start	7150	End	10388
Name	OJ000450_18.0412.C2.o2.tm	Method	TBLASTX:Maize
Start	3502	End	3886
GI	none	Score	361
Exons	3502..3867, 3503..3886		

Seq. No.	42957	Seq. ID	OJ000450_18.0412.C2
Gene No.	89752	Strand	-
Start	7150	End	10388
Name	OJ000450_18.0412.C2.o2.tw	Method	TBLASTX:Wheat
Start	3559	End	3979
GI	none	Score	478
Exons	3559..3954, 3560..3979		

Seq. No.	42957	Seq. ID	OJ000450_18.0412.C2
Gene No.	89752	Strand	-
Start	7150	End	10388
Name	OJ000450_18.0412.C2.o1.ts	Method	TBLASTX:Soybean
Start	3638	End	4009
GI	none	Score	263
Exons	3638..4009, 3655..3798		

Seq. No.	42957	Seq. ID	OJ000450_18.0412.C2
Gene No.	89752	Strand	-
Start	7150	End	10388
Name	OJ000450_18.0412.C2.o5.tw	Method	TBLASTX:Wheat
Start	4416	End	4874
GI	none	Score	237
Exons	4416..4670, 4440..4691, 4505..4690, 4725..4874, 4736..4873		

Seq. No.	42957	Seq. ID	OJ000450_18.0412.C2
Gene No.	89752	Strand	-
Start	7150	End	10388
Name	OJ000450_18.0412.C2.o2.ts	Method	TBLASTX:Soybean
Start	4563	End	5129
GI	5666795	Score	68
Exons	4563..4661, 4737..4874, 4929..5129		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	42957	Seq. ID	OJ000450_18.0412.C2
Gene No.	89752	Strand	-
Start	7150	End	10388
Name	OJ000450_18.0412.C2.o8.tw	Method	TBLASTX:Wheat
Start	4877	End	5189
GI	none	Score	191
Exons	4877..5053, 4890..5078, 4929..5189		

Seq. No.	42957	Seq. ID	OJ000450_18.0412.C2
Gene No.	89752	Strand	-
Start	7150	End	10388
Name	OJ000450_18.0412.C2.o3.tm	Method	TBLASTX:Maize
Start	5391	End	5705
GI	none	Score	360
Exons	5391..5705, 5399..5692		

Seq. No.	42957	Seq. ID	OJ000450_18.0412.C2
Gene No.	89752	Strand	-
Start	7150	End	10388
Name	OJ000450_18.0412.C2.o4.tw	Method	TBLASTX:Wheat
Start	5519	End	5900
GI	none	Score	371
Exons	5519..5575, 5520..5900, 5617..5796, 5621..5869		

Seq. No.	42957	Seq. ID	OJ000450_18.0412.C2
Gene No.	89752	Strand	-
Start	7150	End	10388
Name	OJ000450_18.0412.C2.o6.tw	Method	TBLASTX:Wheat
Start	5901	End	6503
GI	none	Score	267
Exons	5901..6197, 5906..6184, 6273..6347, 6377..6496, 6378..6503		

Seq. No.	42957	Seq. ID	OJ000450_18.0412.C2
Gene No.	89752	Strand	-
Start	7150	End	10388
Name	OJ000450_18.0412.C2.o5.tm	Method	TBLASTX:Maize
Start	6372	End	6515
GI	none	Score	192
Exons	6372..6515, 6377..6511		

Seq. No.	42957	Seq. ID	OJ000450_18.0412.C2
Gene No.	89752	Strand	-
Start	7150	End	10388
Name	OJ000450_18.0412.C2.o2.gs	Method	GENSCAN
Start	7150	End	10388
GI	none	Score	.83
Exons	7150..7342, 7351..9023, 9154..9271, 9286..10388		

Seq. No.	42957	Seq. ID	OJ000450_18.0412.C2
Gene No.	89752	Strand	-
Start	7150	End	10388
Name	OJ000450_18.0412.C2.o2.np	Method	AAT/NAP
Start	7153	End	10388
GI	6907089	Score	4168
Exons	7153..9023, 9127..10388		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	42957	Seq. ID	OJ000450_18.0412.C2
Gene No.	89753	Strand	
Start	14920	End	15341
Name	OJ000450_18.0412.C2.o4.tm	Method	TBLASTX:Maize
Start	14920	End	15341
GI	none	Score	119
Exons	14920..15045, 14920..15045, 14928..15050, 14928..15047, 15102..15260, 15103..15225, 15119..15277, 15251..15328, 15253..15324, 15258..15341		

Seq. No.	42958	Seq. ID	OJ000450_18.0412.C3
Gene No.	89754	Strand	+
Start	1	End	1365
Name	OJ000450_18.0412.C3.o1.np	Method	AAT/NAP
Start	1	End	1070

GI	7258379	Score	199
Exons	1..203, 290..380, 651..784, 866..1070		
GI Descrip.	(AL138650) putative protein [Arabidopsis thaliana]		

Seq. No.	42958	Seq. ID	OJ000450_18.0412.C3
Gene No.	89754	Strand	+
Start	1	End	1365
Name	OJ000450_18.0412.C3.o1.gs	Method	GENSCAN
Start	94	End	1064
GI	none	Score	.54
Exons	94..203, 290..377, 585..784, 866..1064		

Seq. No.	42958	Seq. ID	OJ000450_18.0412.C3
Gene No.	89754	Strand	+
Start	1	End	1365
Name	OJ000450_18.0412.C3.o1.tm	Method	TBLASTX:Maize
Start	624	End	1073
GI	none	Score	197
Exons	624..809, 626..784, 851..907, 867..941, 972..1073, 974..1072		

Seq. No.	42958	Seq. ID	OJ000450_18.0412.C3
Gene No.	89754	Strand	+
Start	1	End	1365
Name	OJ000450_18.0412.C3.o1.gp	Method	AAT/GAP
Start	964	End	1365
GI	2442423	Score	703
Exons	964..1365		

Seq. No.	42959	Seq. ID	OJ000450_18.0412.C4
Gene No.	89755	Strand	+
Start	408	End	4771
Name	OJ000450_18.0412.C4.o1.gs	Method	GENSCAN
Start	408	End	3643
GI	none	Score	.67
Exons	408..488, 655..742, 2713..2849, 3389..3448, 3635..3643		

Seq. No.	42959	Seq. ID	OJ000450_18.0412.C4
Gene No.	89755	Strand	+
Start	408	End	4771
Name	OJ000450_18.0412.C4.o1.np	Method	AAT/NAP
Start	2713	End	4771
GI	5295955	Score	294
Exons	2713..2781, 3325..3439, 4121..4771		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	42959	Seq. ID	OJ000450_18.0412.C4
Gene No.	89756	Strand	-
Start	4399	End	4658
Name	OJ000450_18.0412.C4.o2.gs	Method	GENSCAN
Start	4399	End	4658
GI	none	Score	.91
Exons	4399..4485, 4578..4658		

Seq. No.	42960	Seq. ID	OJ000450_18.0412.C5
Gene No.	89757	Strand	+
Start	1508	End	2035

Name	OJ000450_18.0412.C5.o2.gp	Method	AAT/GAP
Start	1508	End	2035
GI	21466_1.R1084	Score	983
Exons	1508..2035		
GI Descrip.	'6006355/dbj\|AP000559.1\|AP000559 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	42960	Seq. ID	OJ000450_18.0412.C5
Gene No.	89758	Strand	-
Start	1238	End	1336
Name	OJ000450_18.0412.C5.o1.gp	Method	AAT/GAP
Start	1238	End	1336
GI	LIB3477-003-P1-K1-E9	Score	147
Exons	1238..1336		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	42960	Seq. ID	OJ000450_18.0412.C5
Gene No.	89759	Strand	-
Start	2377	End	4768
Name	OJ000450_18.0412.C5.o2.gs	Method	GENSCAN
Start	2377	End	4768
GI	none	Score	.55
Exons	2377..2919, 3204..4768		

Seq. No.	42960	Seq. ID	OJ000450_18.0412.C5
Gene No.	89759	Strand	-
Start	2377	End	4768
Name	OJ000450_18.0412.C5.o1.np	Method	AAT/NAP
Start	2380	End	4448
GI	6006375	Score	2993
Exons	2380..2919, 3204..4448		
GI Descrip.	(AP000559) Similar to ORF3 protein - rice tungro bacilliform virus &RTUORFS_2 (C40785) [Oryza sativa]		

Seq. No.	42960	Seq. ID	OJ000450_18.0412.C5
Gene No.	89759	Strand	-
Start	2377	End	4768
Name	OJ000450_18.0412.C5.o1.tw	Method	TBLASTX:Wheat
Start	4062	End	4346
GI	none	Score	194
Exons	4062..4346		

Seq. No.	42961	Seq. ID	OJ000450_18.0412.C7
Gene No.	89760	Strand	+
Start	56	End	825
Name	OJ000450_18.0412.C7.o1.gs	Method	GENSCAN
Start	56	End	825
GI	none	Score	.94
Exons	56..355, 386..468, 546..657, 709..825		

Seq. No.	42961	Seq. ID	OJ000450_18.0412.C7
Gene No.	89761	Strand	+
Start	2860	End	10131
Name	OJ000450_18.0412.C7.o2.gs	Method	GENSCAN
Start	2860	End	10131

GI	none	Score	.8
Exons	2860..3457, 3536..3624, 4205..4298, 4651..4687, 4809..4917, 5168..5332, 6181..6357, 6836..7000, 7085..7342, 8517..8648, 8690..8977, 9994..10131		

Seq. No.	42961	Seq. ID	OJ000450_18.0412.C7
Gene No.	89761	Strand	+
Start	2860	End	10131
Name	OJ000450_18.0412.C7.o1.np	Method	AAT/NAP
Start	3145	End	6537
GI	7486780	Score	213
Exons	3145..3457, 3536..3624, 4205..4336, 4573..4646, 6500..6537		
GI Descrip.	hypothetical protein M3E9.140 - Arabidopsis thaliana gi\|2982463\|emb\|CAA18227.1\| (AL022223) putative protein [Arabidopsis thaliana] gi\|7269495\|emb\|CAB79498.1\| (AL161565) putative protein [Arabidopsis thaliana]		

Seq. No.	42961	Seq. ID	OJ000450_18.0412.C7
Gene No.	89761	Strand	+
Start	2860	End	10131
Name	OJ000450_18.0412.C7.o1.gp	Method	AAT/GAP
Start	4634	End	6282
GI	LIB3431-021-P1-K1-G2	Score	744
Exons	4634..4687, 4809..4917, 5026..5067, 5168..5332, 6181..6282		
GI Descrip.	'6015437/dbj\|AB008112.1\|AB008112 6.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	42961	Seq. ID	OJ000450_18.0412.C7
Gene No.	89761	Strand	+
Start	2860	End	10131
Name	OJ000450_18.0412.C7.o2.gp	Method	AAT/GAP
Start	6289	End	7450
GI	none	Score	838
Exons	6289..6357, 7085..7450		

Seq. No.	42961	Seq. ID	OJ000450_18.0412.C7
Gene No.	89762	Strand	+
Start	10553	End	10653
Name	OJ000450_18.0412.C7.o3.gs	Method	GENSCAN
Start	10553	End	10653
GI	none	Score	.57
Exons	10553..10653		

Seq. No.	42961	Seq. ID	OJ000450_18.0412.C7
Gene No.	89763	Strand	-
Start	9760	End	10722
Name	OJ000450_18.0412.C7.o2.np	Method	AAT/NAP
Start	9760	End	10722
GI	5922628	Score	122
Exons	9760..9804, 9929..10059, 10536..10722		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016861\|dbj\|BAA85204.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	42962	Seq. ID	OJ000450_18.0412.C8
Gene No.	89764	Strand	+
Start	8	End	3269

Name	OJ000450_18.0412.C8.o1.gs	Method	GENSCAN
Start	8	End	3269
GI	none	Score	.61
Exons	8..96, 2617..2731, 3126..3269		

Seq. No.	42962	Seq. ID	OJ000450_18.0412.C8
Gene No.	89765	Strand	+
Start	8536	End	9593
Name	OJ000450_18.0412.C8.o3.gs	Method	GENSCAN
Start	8536	End	9593
GI	none	Score	.58
Exons	8536..8587, 9546..9593		

Seq. No.	42962	Seq. ID	OJ000450_18.0412.C8
Gene No.	89766	Strand	-
Start	3045	End	5358
Name	OJ000450_18.0412.C8.o1.np	Method	AAT/NAP
Start	3045	End	5358
GI	6016874	Score	1687
Exons	3045..3275, 3725..4081, 4199..4378, 4772..5196, 5280..5358		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	42962	Seq. ID	OJ000450_18.0412.C8
Gene No.	89766	Strand	-
Start	3045	End	5358
Name	OJ000450_18.0412.C8.o2.gs	Method	GENSCAN
Start	3738	End	5358
GI	none	Score	.61
Exons	3738..4198, 4772..4931, 5209..5358		

Seq. No.	42962	Seq. ID	OJ000450_18.0412.C8
Gene No.	89766	Strand	-
Start	3045	End	5358
Name	OJ000450_18.0412.C8.o3.tm	Method	TBLASTX:Maize
Start	3804	End	4025
GI	none	Score	81
Exons	3804..4025, 3889..4014		

Seq. No.	42962	Seq. ID	OJ000450_18.0412.C8
Gene No.	89766	Strand	-
Start	3045	End	5358
Name	OJ000450_18.0412.C8.o1.tm	Method	TBLASTX:Maize
Start	4027	End	4511
GI	none	Score	48
Exons	4027..4116, 4159..4500, 4230..4511		

Seq. No.	42962	Seq. ID	OJ000450_18.0412.C8
Gene No.	89766	Strand	-
Start	3045	End	5358
Name	OJ000450_18.0412.C8.o2.tm	Method	TBLASTX:Maize
Start	4716	End	4943
GI	none	Score	100
Exons	4716..4943, 4717..4935		

Seq. No.	42963	Seq. ID	OJ000450_18.0412.C9

Gene No.	89767	Strand	+
Start	1476	End	1817
Name	OJ000450_18.0412.C9.o1.gs	Method	GENSCAN
Start	1476	End	1817
GI	none	Score	.87
Exons	1476..1572, 1684..1817		

Seq. No.	42963	Seq. ID	OJ000450_18.0412.C9
Gene No.	89768	Strand	+
Start	3613	End	6976
Name	OJ000450_18.0412.C9.o1.np	Method	AAT/NAP
Start	3613	End	6976
GI	5922620	Score	205
Exons	3613..3660, 3813..3975, 4687..4822, 5267..5304, 5348..5531, 6771..6976		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6016853\|dbj\|BAA85196.1\| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42963	Seq. ID	OJ000450_18.0412.C9
Gene No.	89768	Strand	+
Start	3613	End	6976
Name	OJ000450_18.0412.C9.o2.gs	Method	GENSCAN
Start	3613	End	3834
GI	none	Score	.62
Exons	3613..3834		

Seq. No.	42963	Seq. ID	OJ000450_18.0412.C9
Gene No.	89769	Strand	+
Start	8509	End	11493
Name	OJ000450_18.0412.C9.o1.gp	Method	AAT/GAP
Start	8509	End	9861
GI	none	Score	798
Exons	8509..8598, 9494..9861		

Seq. No.	42963	Seq. ID	OJ000450_18.0412.C9
Gene No.	89769	Strand	+
Start	8509	End	11493
Name	OJ000450_18.0412.C9.o2.np	Method	AAT/NAP
Start	8841	End	10917
GI	7270975	Score	254
Exons	8841..8864, 10090..10917		
GI Descrip.	(AJ251989) putative topoisomerase VIA [Arabidopsis thaliana]		

Seq. No.	42963	Seq. ID	OJ000450_18.0412.C9
Gene No.	89769	Strand	+
Start	8509	End	11493
Name	OJ000450_18.0412.C9.o2.gp	Method	AAT/GAP
Start	10621	End	11493
GI	none	Score	1426
Exons	10621..10923, 11032..11493		

Seq. No.	42963	Seq. ID	OJ000450_18.0412.C9
Gene No.	89770	Strand	-
Start	4233	End	5555

Name	OJ000450_18.0412.C9.o3.gs	Method	GENSCAN
Start	4233	End	5555
GI	none	Score	.65
Exons	4233..4397, 4402..4445, 4668..4937, 4951..5147, 5434..5555		
Seq. No.	42963	Seq. ID	OJ000450_18.0412.C9
Gene No.	89771	Strand	
Start	7242	End	7775
Name	OJ000450_18.0412.C9.o1.tm	Method	TBLASTX:Maize
Start	7242	End	7700
GI	none	Score	82
Exons	7242..7337, 7338..7601, 7614..7700		
Seq. No.	42963	Seq. ID	OJ000450_18.0412.C9
Gene No.	89771	Strand	
Start	7242	End	7775
Name	OJ000450_18.0412.C9.o1.tw	Method	TBLASTX:Wheat
Start	7425	End	7775
GI	none	Score	287
Exons	7425..7775, 7428..7718		
Seq. No.	42963	Seq. ID	OJ000450_18.0412.C9
Gene No.	89772	Strand	
Start	7856	End	8134
Name	OJ000450_18.0412.C9.o2.tm	Method	TBLASTX:Maize
Start	7856	End	8134
GI	none	Score	167
Exons	7856..8038, 8048..8134		
Seq. No.	42963	Seq. ID	OJ000450_18.0412.C9
Gene No.	89773	Strand	
Start	10144	End	10575
Name	OJ000450_18.0412.C9.o3.tm	Method	TBLASTX:Maize
Start	10144	End	10575
GI	none	Score	114
Exons	10144..10278, 10393..10575		
Seq. No.	42964	Seq. ID	OJ000450_15.0411.C1
Gene No.	89774	Strand	+
Start	711	End	4510
Name	OJ000450_15.0411.C1.o1.gs	Method	GENSCAN
Start	711	End	4510
GI	none	Score	.45
Exons	711..772, 2882..3788, 3887..4510		
Seq. No.	42964	Seq. ID	OJ000450_15.0411.C1
Gene No.	89774	Strand	+
Start	711	End	4510
Name	OJ000450_15.0411.C1.o1.np	Method	AAT/NAP
Start	1858	End	4495
GI	584861	Score	815
Exons	1858..1903, 2947..3788, 3887..4495		
GI Descrip.	CYTOCHROME P450 71A2 (CYPLXXIA2) (P-450EG4) gi\|480396\|pir\|\|S36806 cytochrome P450 71A2 - eggplant gi\|408140\|emb\|CAA50645\| (X71654) P450 hydroxylase [Solanum melongena] gi\|441185\|dbj\|BAA03635\| (D14990) Cytochrome P-450EG4 [Solanum melongena]		

Seq. No.	42964	Seq. ID	OJ000450_15.0411.C1
Gene No.	89774	Strand	+
Start	711	End	4510
Name	OJ000450_15.0411.C1.o1.gp	Method	AAT/GAP
Start	3679	End	4229
GI	LIB3432-037-P1-K1-A12	Score	855
Exons	3679..3788, 3887..4229		
GI Descrip.	'166949 3.0e-36 (M32885) cytochrome P-450LXXIA1 (cyp71A1) [Persea americana]'		

Seq. No.	42964	Seq. ID	OJ000450_15.0411.C1
Gene No.	89775	Strand	+
Start	7031	End	15027
Name	OJ000450_15.0411.C1.o3.gs	Method	GENSCAN
Start	7031	End	15002
GI	none	Score	.78
Exons	7031..8502, 8598..8677, 9094..9281, 10119..11154, 11628..11687, 12269..12424, 12516..12785, 12945..13115, 13798..13857, 14016..15002		

Seq. No.	42964	Seq. ID	OJ000450_15.0411.C1
Gene No.	89775	Strand	+
Start	7031	End	15027
Name	OJ000450_15.0411.C1.o2.np	Method	AAT/NAP
Start	7859	End	15027
GI	6562264	Score	1307
Exons	7859..8021, 8411..8502, 8598..8677, 9094..9284, 10119..10225, 10262..10440, 10564..11154, 11230..11357, 11628..11715, 12221..12424, 12685..13092, 14567..14646, 14972..15027		
GI Descrip.	(AL132980) putative protein [Arabidopsis thaliana]		

Seq. No.	42964	Seq. ID	OJ000450_15.0411.C1
Gene No.	89775	Strand	+
Start	7031	End	15027
Name	OJ000450_15.0411.C1.o2.gp	Method	AAT/GAP
Start	14159	End	14613
GI	none	Score	834
Exons	14159..14613		

Seq. No.	42964	Seq. ID	OJ000450_15.0411.C1
Gene No.	89776	Strand	-
Start	5102	End	5612
Name	OJ000450_15.0411.C1.o1.tc	Method	TBLASTX:Cress
Start	2946	End	4486
GI	none	Score	45
Exons	2946..3002, 3123..3302, 3878..4012, 3937..4005, 4009..4245, 4010..4249, 4265..4399, 4276..4428, 4421..4486		

Seq. No.	42964	Seq. ID	OJ000450_15.0411.C1
Gene No.	89776	Strand	-
Start	5102	End	5612
Name	OJ000450_15.0411.C1.o5.tm	Method	TBLASTX:Maize
Start	3485	End	4113
GI	none	Score	40
Exons	3485..3661, 3486..3515, 3519..3692, 3705..3755, 3881..3997, 3884..4006, 3886..3999, 4018..4113, 4019..4111		

Seq. No.	42964	Seq. ID	OJ000450_15.0411.C1
Gene No.	89776	Strand	-
Start	5102	End	5612
Name	OJ000450_15.0411.C1.o1.ts	Method	TBLASTX:Soybean
Start	3878	End	4501
GI	none	Score	335
Exons	3878..4249, 3917..3997, 4048..4248, 4262..4501, 4267..4446		

Seq. No.	42964	Seq. ID	OJ000450_15.0411.C1
Gene No.	89776	Strand	-
Start	5102	End	5612
Name	OJ000450_15.0411.C1.o1.tw	Method	TBLASTX:Wheat
Start	3878	End	4195
GI	none	Score	286
Exons	3878..4018, 3887..4195, 3943..4194		

Seq. No.	42964	Seq. ID	OJ000450_15.0411.C1
Gene No.	89776	Strand	-
Start	5102	End	5612
Name	OJ000450_15.0411.C1.o2.tm	Method	TBLASTX:Maize
Start	4114	End	4513
GI	none	Score	522
Exons	4114..4446, 4115..4489, 4253..4513		

Seq. No.	42964	Seq. ID	OJ000450_15.0411.C1
Gene No.	89776	Strand	-
Start	5102	End	5612
Name	OJ000450_15.0411.C1.o2.tw	Method	TBLASTX:Wheat
Start	4219	End	4486
GI	none	Score	48
Exons	4219..4245, 4220..4246, 4264..4446, 4265..4486, 4355..4453		

Seq. No.	42964	Seq. ID	OJ000450_15.0411.C1
Gene No.	89776	Strand	-
Start	5102	End	5612
Name	OJ000450_15.0411.C1.o2.gs	Method	GENSCAN
Start	5102	End	5612
GI	none	Score	.65
Exons	5102..5168, 5277..5418, 5465..5612		

Seq. No.	42964	Seq. ID	OJ000450_15.0411.C1
Gene No.	89777	Strand	
Start	8444	End	9137
Name	OJ000450_15.0411.C1.o4.ts	Method	TBLASTX:Soybean
Start	8444	End	9137
GI	none	Score	96
Exons	8444..8503, 8455..8505, 8596..8679, 8598..8678, 9093..9137		

Seq. No.	42964	Seq. ID	OJ000450_15.0411.C1
Gene No.	89778	Strand	
Start	10118	End	10781
Name	OJ000450_15.0411.C1.o6.tm	Method	TBLASTX:Maize
Start	10118	End	10261
GI	none	Score	184
Exons	10118..10261, 10119..10241		

Seq. No.	42964	Seq. ID	OJ000450_15.0411.C1
Gene No.	89778	Strand	
Start	10118	End	10781
Name	OJ000450_15.0411.C1.o2.tc	Method	TBLASTX:Cress
Start	10121	End	10781
GI	none	Score	116
Exons	10121..10210, 10122..10229, 10568..10666, 10578..10781, 10593..10781		

Seq. No.	42964	Seq. ID	OJ000450_15.0411.C1
Gene No.	89778	Strand	
Start	10118	End	10781
Name	OJ000450_15.0411.C1.o5.ts	Method	TBLASTX:Soybean
Start	10550	End	10733
GI	none	Score	70
Exons	10550..10666, 10574..10678, 10578..10730, 10593..10733		

Seq. No.	42964	Seq. ID	OJ000450_15.0411.C1
Gene No.	89779	Strand	
Start	10766	End	11364
Name	OJ000450_15.0411.C1.o3.tm	Method	TBLASTX:Maize
Start	10766	End	11364
GI	none	Score	285
Exons	10766..10948, 10767..10949, 10769..10963, 10771..10962, 10908..11156, 10970..11164, 10972..11166, 11038..11181, 11228..11362, 11229..11357, 11230..11364		

Seq. No.	42964	Seq. ID	OJ000450_15.0411.C1
Gene No.	89779	Strand	
Start	10766	End	11364
Name	OJ000450_15.0411.C1.o2.ts	Method	TBLASTX:Soybean
Start	10940	End	11362
GI	none	Score	276
Exons	10940..11014, 10947..11156, 10947..11156, 11075..11194, 11228..11362, 11229..11357		

Seq. No.	42964	Seq. ID	OJ000450_15.0411.C1
Gene No.	89780	Strand	
Start	11938	End	12660
Name	OJ000450_15.0411.C1.o4.tm	Method	TBLASTX:Maize
Start	11938	End	12660
GI	none	Score	98
Exons	11938..11994, 11939..11995, 11940..11996, 12275..12427, 12276..12425, 12277..12429, 12477..12653, 12518..12658, 12518..12658, 12520..12660		

Seq. No.	42964	Seq. ID	OJ000450_15.0411.C1
Gene No.	89781	Strand	
Start	12766	End	14895
Name	OJ000450_15.0411.C1.o1.tm	Method	TBLASTX:Maize
Start	12766	End	14895
GI	none	Score	173
Exons	12766..12948, 12767..12946, 12767..12973, 12927..13091, 12928..13092, 12949..13098, 12950..13141, 13135..13191, 13208..13354, 13239..13343, 13240..13347, 13348..13617, 13349..13591, 13802..13861, 14028..14156, 14035..14166, 14036..14152, 14143..14181, 14180..14368, 14184..14363,		

14192..14365, 14370..14402, 14371..14409, 14371..14409,
14386..14520, 14408..14521, 14408..14542, 14410..14538,
14534..14593, 14535..14594, 14536..14595, 14613..14798,
14614..14685, 14618..14722, 14848..14895, 14849..14890

Seq. No.	42964	Seq. ID	OJ000450_15.0411.C1
Gene No.	89781	Strand	
Start	12766	End	14895
Name	OJ000450_15.0411.C1.o3.ts	Method	TBLASTX:Soybean
Start	12844	End	13069
GI	none	Score	262
Exons	12844..13068, 12845..13069		

Seq. No.	42964	Seq. ID	OJ000450_15.0411.C1
Gene No.	89781	Strand	
Start	12766	End	14895
Name	OJ000450_15.0411.C1.o3.tc	Method	TBLASTX:Cress
Start	12878	End	13066
GI	none	Score	244
Exons	12878..13066, 12879..13064, 12880..13065		

Seq. No.	42965	Seq. ID	OJ000450_15.0411.C2
Gene No.	89782	Strand	+
Start	1018	End	1557
Name	OJ000450_15.0411.C2.o1.gs	Method	GENSCAN
Start	1018	End	1557
GI	none	Score	1
Exons	1018..1198, 1385..1557		

Seq. No.	42965	Seq. ID	OJ000450_15.0411.C2
Gene No.	89783	Strand	-
Start	1	End	213
Name	OJ000450_15.0411.C2.o1.gp	Method	AAT/GAP
Start	1	End	213
GI	none	Score	328
Exons	1..213		

Seq. No.	42965	Seq. ID	OJ000450_15.0411.C2
Gene No.	89784	Strand	
Start	1078	End	1560
Name	OJ000450_15.0411.C2.o1.tm	Method	TBLASTX:Maize
Start	1078	End	1560
GI	none	Score	183
Exons	1078..1197, 1083..1196, 1094..1198, 1384..1485, 1393..1485, 1428..1487, 1486..1560, 1487..1555, 1527..1556		

Seq. No.	42966	Seq. ID	OJ000450_15.0411.C3
Gene No.	89785	Strand	+
Start	9609	End	13181
Name	OJ000450_15.0411.C3.o2.gs	Method	GENSCAN
Start	9609	End	13181
GI	none	Score	.66
Exons	9609..9676, 12169..12296, 12756..12900, 13007..13181		

Seq. No.	42966	Seq. ID	OJ000450_15.0411.C3
Gene No.	89786	Strand	-
Start	349	End	6909

Name	OJ000450_15.0411.C3.o1.gs	Method	GENSCAN
Start	349	End	6909
GI	none	Score	.81
Exons	349..960, 1659..2093, 2165..2587, 3339..3626, 3961..4236, 4352..4513, 5762..5854, 6059..6445, 6514..6909		

Seq. No.	42966	Seq. ID	OJ000450_15.0411.C3
Gene No.	89786	Strand	-
Start	349	End	6909
Name	OJ000450_15.0411.C3.o1.np	Method	AAT/NAP
Start	352	End	2544
GI	166949	Score	870
Exons	352..960, 1659..2544		
GI Descrip.	(M32885) cytochrome P-450LXXIA1 (cyp71A1) [Persea americana]		

Seq. No.	42966	Seq. ID	OJ000450_15.0411.C3
Gene No.	89786	Strand	-
Start	349	End	6909
Name	OJ000450_15.0411.C3.o2.np	Method	AAT/NAP
Start	3297	End	6807
GI	7484850	Score	1517
Exons	3297..3626, 3961..4236, 4352..4513, 6059..6358, 6451..6807		
GI Descrip.	cellulase (EC 3.2.1.4) F19H22.110 - Arabidopsis thaliana gi\|4539320\|emb\|CAB38821.1\| (AL035679) putative endo-1, 4-beta-glucanase [Arabidopsis thaliana] gi\|7270884\|emb\|CAB80564.1\| (AL161594) putative endo-1, 4-beta-glucanase [Arabidopsis thaliana]		

Seq. No.	42966	Seq. ID	OJ000450_15.0411.C3
Gene No.	89787	Strand	-
Start	13788	End	14228
Name	OJ000450_15.0411.C3.o3.gs	Method	GENSCAN
Start	13788	End	14228
GI	none	Score	.92
Exons	13788..14228		

Seq. No.	42966	Seq. ID	OJ000450_15.0411.C3
Gene No.	89788	Strand	-
Start	16577	End	17751
Name	OJ000450_15.0411.C3.o1.tw	Method	TBLASTX:Wheat
Start	344	End	628
GI	none	Score	195
Exons	344..628, 358..627		

Seq. No.	42966	Seq. ID	OJ000450_15.0411.C3
Gene No.	89788	Strand	-
Start	16577	End	17751
Name	OJ000450_15.0411.C3.o1.ts	Method	TBLASTX:Soybean
Start	361	End	2343
GI	none	Score	320
Exons	361..711, 362..946, 775..966, 2122..2343		

Seq. No.	42966	Seq. ID	OJ000450_15.0411.C3
Gene No.	89788	Strand	-
Start	16577	End	17751
Name	OJ000450_15.0411.C3.o2.tc	Method	TBLASTX:Cress
Start	367	End	966

GI	none	Score	200
Exons	367..711, 521..949, 775..966		

Seq. No.	42966	Seq. ID	OJ000450_15.0411.C3
Gene No.	89788	Strand	-
Start	16577	End	17751
Name	OJ000450_15.0411.C3.o2.tm	Method	TBLASTX:Maize
Start	374	End	964
GI	none	Score	289
Exons	374..964, 379..717, 516..782, 775..963		

Seq. No.	42966	Seq. ID	OJ000450_15.0411.C3
Gene No.	89788	Strand	-
Start	16577	End	17751
Name	OJ000450_15.0411.C3.o3.tw	Method	TBLASTX:Wheat
Start	652	End	960
GI	none	Score	142
Exons	652..711, 653..952, 775..960		

Seq. No.	42966	Seq. ID	OJ000450_15.0411.C3
Gene No.	89788	Strand	-
Start	16577	End	17751
Name	OJ000450_15.0411.C3.o3.tc	Method	TBLASTX:Cress
Start	1911	End	2418
GI	none	Score	65
Exons	1911..2030, 2122..2343, 2350..2418		

Seq. No.	42966	Seq. ID	OJ000450_15.0411.C3
Gene No.	89788	Strand	-
Start	16577	End	17751
Name	OJ000450_15.0411.C3.o5.tm	Method	TBLASTX:Maize
Start	2227	End	2418
GI	none	Score	76
Exons	2227..2418, 2239..2304, 2363..2416		

Seq. No.	42966	Seq. ID	OJ000450_15.0411.C3
Gene No.	89788	Strand	-
Start	16577	End	17751
Name	OJ000450_15.0411.C3.o2.tw	Method	TBLASTX:Wheat
Start	3000	End	3428
GI	none	Score	38
Exons	3000..3065, 3001..3060, 3049..3294, 3075..3095, 3110..3301, 3154..3300, 3295..3390, 3297..3428		

Seq. No.	42966	Seq. ID	OJ000450_15.0411.C3
Gene No.	89788	Strand	-
Start	16577	End	17751
Name	OJ000450_15.0411.C3.o1.tm	Method	TBLASTX:Maize
Start	3297	End	4033
GI	none	Score	122
Exons	3297..3629, 3298..3390, 3303..3392, 3464..3628, 3481..3630, 3956..4033, 3958..4032		

Seq. No.	42966	Seq. ID	OJ000450_15.0411.C3
Gene No.	89788	Strand	-
Start	16577	End	17751
Name	OJ000450_15.0411.C3.o3.ts	Method	TBLASTX:Soybean

Start	3303	End	3557
GI	none	Score	99
Exons	3303..3557, 3307..3390, 3484..3555		

Seq. No.	42966	Seq. ID	OJ000450_15.0411.C3
Gene No.	89788	Strand	-
Start	16577	End	17751
Name	OJ000450_15.0411.C3.o1.tc	Method	TBLASTX:Cress
Start	3318	End	6792
GI	none	Score	65
Exons	3318..3629, 3319..3372, 3484..3630, 3956..4090, 3958..4134, 4135..4239, 4268..4459, 4337..4525, 4344..4514, 6057..6092, 6059..6091, 6119..6364, 6213..6359, 6451..6540, 6461..6538, 6547..6714, 6548..6625, 6724..6792		

Seq. No.	42966	Seq. ID	OJ000450_15.0411.C3
Gene No.	89788	Strand	-
Start	16577	End	17751
Name	OJ000450_15.0411.C3.o4.ts	Method	TBLASTX:Soybean
Start	3985	End	4415
GI	none	Score	131
Exons	3985..4239, 3986..4237, 4350..4415, 4352..4414		

Seq. No.	42966	Seq. ID	OJ000450_15.0411.C3
Gene No.	89788	Strand	-
Start	16577	End	17751
Name	OJ000450_15.0411.C3.o3.tm	Method	TBLASTX:Maize
Start	4073	End	4496
GI	none	Score	86
Exons	4073..4117, 4074..4121, 4075..4128, 4075..4155, 4130..4156, 4147..4239, 4148..4237, 4171..4239, 4347..4496, 4350..4493, 4352..4495		

Seq. No.	42966	Seq. ID	OJ000450_15.0411.C3
Gene No.	89788	Strand	-
Start	16577	End	17751
Name	OJ000450_15.0411.C3.o2.ts	Method	TBLASTX:Soybean
Start	6110	End	6789
GI	none	Score	108
Exons	6110..6358, 6213..6359, 6484..6525, 6485..6526, 6541..6714, 6712..6789		

Seq. No.	42966	Seq. ID	OJ000450_15.0411.C3
Gene No.	89788	Strand	-
Start	16577	End	17751
Name	OJ000450_15.0411.C3.o4.tm	Method	TBLASTX:Maize
Start	6306	End	6792
GI	none	Score	79
Exons	6306..6359, 6306..6347, 6308..6364, 6421..6540, 6461..6538, 6536..6625, 6547..6714, 6718..6792, 6725..6769		

Seq. No.	42966	Seq. ID	OJ000450_15.0411.C3
Gene No.	89788	Strand	-
Start	16577	End	17751
Name	OJ000450_15.0411.C3.o1.gp	Method	AAT/GAP
Start	16577	End	17747
GI	1214_1.R1084	Score	1064

Exons	16577..17026, 17645..17747		
GI Descrip.	'4469021/emb\|CAB38282\| 3.0e-68 (AL035602) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	42966	Seq. ID	OJ000450_15.0411.C3
Gene No.	89788	Strand	-
Start	16577	End	17751
Name	OJ000450_15.0411.C3.o6.tm	Method	TBLASTX:Maize
Start	16904	End	17751
GI	none	Score	173
Exons	16904..17026, 16905..17027, 16909..17028, 17642..17746, 17643..17750, 17644..17751, 17648..17746		

Seq. No.	42966	Seq. ID	OJ000450_15.0411.C3
Gene No.	89788	Strand	-
Start	16577	End	17751
Name	OJ000450_15.0411.C3.o3.np	Method	AAT/NAP
Start	16909	End	17747
GI	7487511	Score	233
Exons	16909..17026, 17645..17747		
GI Descrip.	hypothetical protein T29A15.190 - Arabidopsis thaliana gi\|4469021\|emb\|CAB38282.1\| (AL035602) hypothetical protein [Arabidopsis thaliana] gi\|7269624\|emb\|CAB81420.1\| (AL161571) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89789	Strand	+
Start	1901	End	21553
Name	OJ000450_15.0411.C4.o5.np	Method	AAT/NAP
Start	1901	End	15545
GI	2708709	Score	226
Exons	1901..1940, 4113..4219, 9677..9980, 10454..11112, 15471..15545		
GI Descrip.	(AF038575) Wiskott-Aldrich Syndrome protein homolog [Schizosaccharomyces pombe]		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89789	Strand	+
Start	1901	End	21553
Name	OJ000450_15.0411.C4.o2.gs	Method	GENSCAN
Start	3576	End	8154
GI	none	Score	.65
Exons	3576..3751, 3869..4004, 4711..4904, 5000..5061, 5230..5351, 6045..6155, 7270..7377, 7668..7757, 8047..8154		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89789	Strand	+
Start	1901	End	21553
Name	OJ000450_15.0411.C4.o4.np	Method	AAT/NAP
Start	6756	End	8145
GI	7488343	Score	572
Exons	6756..6846, 6951..7105, 7270..7377, 7668..7757, 8047..8145		
GI Descrip.	SNF8 protein homolog F10M23.380 - Arabidopsis thaliana gi\|4455227\|emb\|CAB36550.1\| (AL035440) SNF8 like protein [Arabidopsis thaliana] gi\|7269557\|emb\|CAB79559.1\| (AL161566) SNF8 like protein [Arabidopsis thaliana]		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4

Gene No.	89789	Strand	+
Start	1901	End	21553
Name	OJ000450_15.0411.C4.o4.gp	Method	AAT/GAP
Start	7021	End	8237
GI	26378_1.R1084	Score	838
Exons	7021..7105, 7270..7377, 7668..7757, 8047..8237		
GI Descrip.	'4455227/emb\|CAB36550.1\| 2.0e-42 (AL035440) SNF8 like protein [Arabidopsis thaliana]'		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89789	Strand	+
Start	1901	End	21553
Name	OJ000450_15.0411.C4.o4.gs	Method	GENSCAN
Start	10459	End	12381
GI	none	Score	.54
Exons	10459..11443, 12281..12381		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89789	Strand	+
Start	1901	End	21553
Name	OJ000450_15.0411.C4.o5.gs	Method	GENSCAN
Start	13581	End	21553
GI	none	Score	.46
Exons	13581..13981, 15479..15765, 15855..15931, 18732..18798, 18902..19518, 21434..21553		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89789	Strand	+
Start	1901	End	21553
Name	OJ000450_15.0411.C4.o6.np	Method	AAT/NAP
Start	13597	End	16030
GI	7487177	Score	481
Exons	13597..13976, 15423..15765, 15855..16030		
GI Descrip.	hypothetical protein T19F6.80 - Arabidopsis thaliana gi\|5668637\|emb\|CAB51652.1\| (AL109619) hypothetical protein [Arabidopsis thaliana] gi\|7269258\|emb\|CAB81327.1\| (AL161560) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89789	Strand	+
Start	1901	End	21553
Name	OJ000450_15.0411.C4.o5.gp	Method	AAT/GAP
Start	14204	End	14405
GI	4878384	Score	385
Exons	14204..14405		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89790	Strand	+
Start	25260	End	29775
Name	OJ000450_15.0411.C4.o7.gs	Method	GENSCAN
Start	25260	End	29775
GI	none	Score	.41
Exons	25260..25618, 25736..25871, 27532..27634, 27731..27877, 28670..28805, 29409..29775		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89790	Strand	+

Start	25260	End	29775
Name	OJ000450_15.0411.C4.o7.np	Method	AAT/NAP
Start	25467	End	28023
GI	6553917	Score	595
Exons	25467..25610, 25728..25871, 27532..28023		
GI Descrip.	(AC012329) putative 6-phosphogluconolactonase [Arabidopsis thaliana] gi\|6723406\|emb\|CAB66415.1\| (AL132956) 6-phosphogluconolactonase-like protein [Arabidopsis thaliana]		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89790	Strand	+
Start	25260	End	29775
Name	OJ000450_15.0411.C4.o6.gp	Method	AAT/GAP
Start	25508	End	27873
GI	30106_1.R1084	Score	1118
Exons	25508..25618, 25736..25871, 27532..27873		
GI Descrip.	'6018458/emb\|CAB57866.1\| 2.0e-35 (AJ243972) 6-phosphogluconolactonase [Homo sapiens]'		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89790	Strand	+
Start	25260	End	29775
Name	OJ000450_15.0411.C4.o7.gp	Method	AAT/GAP
Start	27891	End	28271
GI	none	Score	750
Exons	27891..28271		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89791	Strand	+
Start	32164	End	36559
Name	OJ000450_15.0411.C4.o8.np	Method	AAT/NAP
Start	32164	End	36489
GI	6553916	Score	1359
Exons	32164..32312, 34034..34175, 34351..34400, 34929..35020, 35237..36489		
GI Descrip.	(AC012329) putative GTPase activator protein of Rab-like small GTPases [Arabidopsis thaliana] gi\|6723405\|emb\|CAB66414.1\| (AL132956) GTPase activating-like protein [Arabidopsis thaliana]		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89791	Strand	+
Start	32164	End	36559
Name	OJ000450_15.0411.C4.o9.gs	Method	GENSCAN
Start	33612	End	36477
GI	none	Score	.93
Exons	33612..33628, 34040..34175, 34351..34400, 34929..34982, 35244..36477		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89791	Strand	+
Start	32164	End	36559
Name	OJ000450_15.0411.C4.o8.gp	Method	AAT/GAP
Start	36060	End	36559
GI	LIB3434-058-P1-K1-G5	Score	956
Exons	36060..36559		
GI Descrip.	'83635/pir\|\|B26955 3.0e-09 hypothetical protein - yeast (Yarrowia lipolytica) (fragment)'		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89792	Strand	-
Start	127	End	5607
Name	OJ000450_15.0411.C4.o1.np	Method	AAT/NAP
Start	127	End	1351
GI	7487511	Score	314
Exons	127..270, 659..751, 1034..1117, 1178..1351		
GI Descrip.	hypothetical protein T29A15.190 - Arabidopsis thaliana gi\|4469021\|emb\|CAB38282.1\| (AL035602) hypothetical protein [Arabidopsis thaliana] gi\|7269624\|emb\|CAB81420.1\| (AL161571) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89792	Strand	-
Start	127	End	5607
Name	OJ000450_15.0411.C4.o2.gp	Method	AAT/GAP
Start	127	End	1424
GI	1214_1.R1084	Score	885
Exons	127..270, 659..751, 1034..1080, 1180..1424		
GI Descrip.	'4469021/emb\|CAB38282\| 3.0e-68 (AL035602) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89792	Strand	-
Start	127	End	5607
Name	OJ000450_15.0411.C4.o1.gs	Method	GENSCAN
Start	659	End	3048
GI	none	Score	.89
Exons	659..751, 1034..1080, 1180..1350, 2010..3048		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89792	Strand	-
Start	127	End	5607
Name	OJ000450_15.0411.C4.o3.gp	Method	AAT/GAP
Start	1823	End	2576
GI	17748_1.R1084	Score	1433
Exons	1823..2576		
GI Descrip.	'3600031 2.0e-33 (AF080119) similar to 2,4-dihydroxyhept-2-ene-1,7-dioic acid aldolases [Arabidopsis thaliana]'		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89792	Strand	-
Start	127	End	5607
Name	OJ000450_15.0411.C4.o3.np	Method	AAT/NAP
Start	1834	End	5607
GI	5052007	Score	178
Exons	1834..1863, 3725..4015, 5533..5607		
GI Descrip.	(AF155121) apoplastic invertase [Oryza sativa subsp. indica]		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89792	Strand	-
Start	127	End	5607
Name	OJ000450_15.0411.C4.o2.np	Method	AAT/NAP
Start	2005	End	3748
GI	7486898	Score	903

Exons	2005..2875, 3518..3748		
GI Descrip.	hypothetical protein T12H20.10 - Arabidopsis thaliana gi\|3600031\|gb\|AAC35519.1\| (AF080119) similar to 2,4-dihydroxyhept-2-ene-1,7-dioic acid aldolases [Arabidopsis thaliana] gi\|7267773\|emb\|CAB81176.1\| (AL161518) putative aldolase [Arabidopsis thaliana]		
Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89793	Strand	-
Start	8896	End	10077
Name	OJ000450_15.0411.C4.o3.gs	Method	GENSCAN
Start	8896	End	10077
GI	none	Score	.86
Exons	8896..9624, 9651..10002, 10076..10077		
Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89794	Strand	-
Start	21968	End	24837
Name	OJ000450_15.0411.C4.o6.gs	Method	GENSCAN
Start	21968	End	24837
GI	none	Score	.42
Exons	21968..22223, 22446..22647, 22659..22840, 23264..23451, 24428..24507, 24633..24837		
Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89795	Strand	-
Start	31956	End	32342
Name	OJ000450_15.0411.C4.o8.gs	Method	GENSCAN
Start	31956	End	32342
GI	none	Score	.86
Exons	31956..32009, 32190..32342		
Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89796	Strand	-
Start	40965	End	41126
Name	OJ000450_15.0411.C4.o9.gp	Method	AAT/GAP
Start	40965	End	41126
GI	uC-osflcyp154c08a1	Score	289
Exons	40965..41126		
GI Descrip.	'5701799/emb\|CAB52175.1\| 3.0e-29 (AJ245408) putative syntaxin protein [Arabidopsis thaliana]'		
Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89797	Strand	-
Start	51897	End	53496
Name	OJ000450_15.0411.C4.o8.tm	Method	TBLASTX:Maize
Start	114	End	1390
GI	none	Score	144
Exons	114..272, 127..273, 129..278, 131..277, 220..279, 658..744, 659..748, 659..754, 679..756, 1028..1081, 1031..1081, 1181..1390, 1182..1388		
Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89797	Strand	-
Start	51897	End	53496
Name	OJ000450_15.0411.C4.o8.ts	Method	TBLASTX:Soybean
Start	127	End	1201

GI	none	Score	192
Exons	127..273, 137..277, 659..748, 659..754, 1031..1081, 1181..1201		
Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89797	Strand	-
Start	51897	End	53496
Name	OJ000450_15.0411.C4.o4.tw	Method	TBLASTX:Wheat
Start	1867	End	2313
GI	none	Score	35
Exons	1867..1890, 1871..1894, 1918..1962, 1931..1969, 1996..2016, 2000..2020, 2071..2202, 2071..2313, 2084..2311		
Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89797	Strand	-
Start	51897	End	53496
Name	OJ000450_15.0411.C4.o1.tc	Method	TBLASTX:Cress
Start	2089	End	2859
GI	none	Score	103
Exons	2089..2223, 2090..2218, 2266..2367, 2267..2683, 2425..2859, 2798..2857		
Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89797	Strand	-
Start	51897	End	53496
Name	OJ000450_15.0411.C4.o4.ts	Method	TBLASTX:Soybean
Start	2333	End	2742
GI	none	Score	125
Exons	2333..2554, 2335..2742, 2603..2683, 2617..2742		
Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89797	Strand	-
Start	51897	End	53496
Name	OJ000450_15.0411.C4.o6.ts	Method	TBLASTX:Soybean
Start	5730	End	7101
GI	none	Score	39
Exons	5730..5774, 5903..5947, 5904..5954, 6041..6154, 6042..6155, 6655..6843, 6708..6848, 6710..6847, 6961..7101, 6962..7099		
Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89797	Strand	-
Start	51897	End	53496
Name	OJ000450_15.0411.C4.o10.tm	Method	TBLASTX:Maize
Start	5897	End	6973
GI	none	Score	94
Exons	5897..5956, 5898..5954, 6042..6155, 6044..6154, 6655..6843, 6708..6848, 6708..6845, 6713..6847, 6943..6972, 6947..6973		
Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89797	Strand	-
Start	51897	End	53496
Name	OJ000450_15.0411.C4.o8.tc	Method	TBLASTX:Cress
Start	5904	End	6776
GI	none	Score	69
Exons	5904..5954, 5912..5947, 6041..6154, 6042..6155, 6708..6776, 6710..6775		
Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4

Gene No.	89797	Strand	-
Start	51897	End	53496
Name	OJ000450_15.0411.C4.o9.tm	Method	TBLASTX:Maize
Start	10456	End	10881
GI	none	Score	34
Exons	10456..10497, 10560..10622, 10566..10628, 10603..10881, 10698..10859		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89797	Strand	-
Start	51897	End	53496
Name	OJ000450_15.0411.C4.o5.tm	Method	TBLASTX:Maize
Start	11014	End	11426
GI	none	Score	135
Exons	11014..11115, 11014..11112, 11016..11126, 11115..11354, 11115..11426, 11116..11424		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89797	Strand	-
Start	51897	End	53496
Name	OJ000450_15.0411.C4.o3.tm	Method	TBLASTX:Maize
Start	15483	End	16097
GI	none	Score	318
Exons	15483..15767, 15492..15725, 15592..15759, 15853..16053, 15853..16065, 15854..16084, 15882..16097		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89797	Strand	-
Start	51897	End	53496
Name	OJ000450_15.0411.C4.o6.tc	Method	TBLASTX:Cress
Start	15540	End	16086
GI	none	Score	173
Exons	15540..15767, 15629..15766, 15844..16086, 15854..16024		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89797	Strand	-
Start	51897	End	53496
Name	OJ000450_15.0411.C4.o4.tm	Method	TBLASTX:Maize
Start	18729	End	19402
GI	none	Score	87
Exons	18729..18821, 18730..18804, 18910..19074, 18910..19080, 18920..19087, 18921..19088, 19166..19402, 19173..19382, 19222..19401		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89797	Strand	-
Start	51897	End	53496
Name	OJ000450_15.0411.C4.o2.tm	Method	TBLASTX:Maize
Start	25311	End	28227
GI	none	Score	46
Exons	25311..25367, 25473..25619, 25508..25606, 25566..25619, 25704..25874, 25734..25874, 25735..25881, 25856..25882, 27530..28015, 27531..28016, 27531..28016, 27532..28029, 28147..28212, 28207..28227		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89797	Strand	-

Start	51897	End	53496
Name	OJ000450_15.0411.C4.o7.tc	Method	TBLASTX:Cress
Start	25473	End	25874
GI	none	Score	119
Exons	25473..25607, 25523..25606, 25728..25874		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89797	Strand	-
Start	51897	End	53496
Name	OJ000450_15.0411.C4.o2.ts	Method	TBLASTX:Soybean
Start	25500	End	27924
GI	none	Score	137
Exons	25500..25619, 25508..25609, 25701..25874, 25734..25874, 27529..27639, 27531..27887, 27531..27884, 27532..27924, 27673..27888		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89797	Strand	-
Start	51897	End	53496
Name	OJ000450_15.0411.C4.o2.tw	Method	TBLASTX:Wheat
Start	25509	End	27816
GI	none	Score	134
Exons	25509..25619, 25511..25606, 25566..25619, 25734..25874, 25734..25874, 25735..25884, 27529..27801, 27530..27790, 27531..27815, 27531..27815, 27532..27816		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89797	Strand	-
Start	51897	End	53496
Name	OJ000450_15.0411.C4.o4.tc	Method	TBLASTX:Cress
Start	27532	End	27915
GI	none	Score	69
Exons	27532..27633, 27577..27915, 27612..27851, 27616..27852		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89797	Strand	-
Start	51897	End	53496
Name	OJ000450_15.0411.C4.o6.tw	Method	TBLASTX:Wheat
Start	27843	End	28045
GI	none	Score	257
Exons	27843..28010, 27844..28011, 27848..28045, 27850..28014, 27896..28015		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89797	Strand	-
Start	51897	End	53496
Name	OJ000450_15.0411.C4.o1.tm	Method	TBLASTX:Maize
Start	34031	End	36429
GI	none	Score	222
Exons	34031..34120, 34032..34175, 34032..34172, 34350..34409, 34918..34983, 35241..35333, 35241..35405, 35242..35337, 35314..35439, 35326..35439, 35327..35440, 35327..35440, 35437..36429, 35447..36406, 35472..36410, 35575..36426		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89797	Strand	-
Start	51897	End	53496

Name	OJ000450_15.0411.C4.o1.ts	Method	TBLASTX:Soybean
Start	35242	End	36132
GI	none	Score	73
Exons	35242..35304, 35676..35903, 35677..35904, 35896..36132, 35896..36090, 35898..36131		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89797	Strand	-
Start	51897	End	53496
Name	OJ000450_15.0411.C4.o2.tc	Method	TBLASTX:Cress
Start	35764	End	36162
GI	none	Score	539
Exons	35764..36162, 35766..36161		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89797	Strand	-
Start	51897	End	53496
Name	OJ000450_15.0411.C4.o3.tc	Method	TBLASTX:Cress
Start	36168	End	36498
GI	none	Score	145
Exons	36168..36437, 36168..36473, 36169..36498		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89797	Strand	-
Start	51897	End	53496
Name	OJ000450_15.0411.C4.o9.np	Method	AAT/NAP
Start	51897	End	53496
GI	6539553	Score	2726
Exons	51897..53496		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89797	Strand	-
Start	51897	End	53496
Name	OJ000450_15.0411.C4.o1.tw	Method	TBLASTX:Wheat
Start	52033	End	52509
GI	none	Score	356
Exons	52033..52419, 52071..52418, 52434..52508, 52438..52509		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89797	Strand	-
Start	51897	End	53496
Name	OJ000450_15.0411.C4.o7.ts	Method	TBLASTX:Soybean
Start	52161	End	52502
GI	none	Score	79
Exons	52161..52370, 52240..52365, 52389..52502, 52396..52476		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89797	Strand	-
Start	51897	End	53496
Name	OJ000450_15.0411.C4.o7.tm	Method	TBLASTX:Maize
Start	52365	End	52704
GI	none	Score	206
Exons	52365..52703, 52366..52704		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89797	Strand	-
Start	51897	End	53496
Name	OJ000450_15.0411.C4.o5.ts	Method	TBLASTX:Soybean
Start	52515	End	52860
GI	none	Score	124
Exons	52515..52859, 52660..52860		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89797	Strand	-
Start	51897	End	53496
Name	OJ000450_15.0411.C4.o3.tw	Method	TBLASTX:Wheat
Start	52713	End	53258
GI	none	Score	48
Exons	52713..52919, 52723..52845, 52914..53258, 52938..53111		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89797	Strand	-
Start	51897	End	53496
Name	OJ000450_15.0411.C4.o6.tm	Method	TBLASTX:Maize
Start	52794	End	53259
GI	none	Score	51
Exons	52794..53258, 52897..53007, 52941..53123, 53077..53259		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89797	Strand	-
Start	51897	End	53496
Name	OJ000450_15.0411.C4.o3.ts	Method	TBLASTX:Soybean
Start	52929	End	53393
GI	5509260	Score	54
Exons	52929..53393, 52948..53007, 53080..53175, 53224..53292		
GI Descrip.	-		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89797	Strand	-
Start	51897	End	53496
Name	OJ000450_15.0411.C4.o5.tc	Method	TBLASTX:Cress
Start	53040	End	53300
GI	none	Score	286
Exons	53040..53300		

Seq. No.	42967	Seq. ID	OJ000450_15.0411.C4
Gene No.	89797	Strand	-
Start	51897	End	53496
Name	OJ000450_15.0411.C4.o5.tw	Method	TBLASTX:Wheat
Start	53313	End	53496
GI	none	Score	165
Exons	53313..53495, 53313..53495, 53314..53496		

Seq. No.	42968	Seq. ID	OJ000450_15.0411.C5
Gene No.	89798	Strand	-
Start	1	End	2222
Name	OJ000450_15.0411.C5.o1.np	Method	AAT/NAP
Start	1	End	2216
GI	6539553	Score	3862
Exons	1..2216		

GI Descrip. (AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]

Seq. No.	42968	Seq. ID	OJ000450_15.0411.C5
Gene No.	89798	Strand	-
Start	1	End	2222
Name	OJ000450_15.0411.C5.o1.tw	Method	TBLASTX:Wheat
Start	2	End	482
GI	none	Score	273
Exons	2..358, 3..296, 5..361, 31..360, 345..482, 357..473, 358..474		

Seq. No.	42968	Seq. ID	OJ000450_15.0411.C5
Gene No.	89798	Strand	-
Start	1	End	2222
Name	OJ000450_15.0411.C5.o1.ts	Method	TBLASTX:Soybean
Start	131	End	530
GI	none	Score	38
Exons	131..304, 258..296, 348..530, 360..521, 364..522		

Seq. No.	42968	Seq. ID	OJ000450_15.0411.C5
Gene No.	89798	Strand	-
Start	1	End	2222
Name	OJ000450_15.0411.C5.o3.tm	Method	TBLASTX:Maize
Start	131	End	626
GI	none	Score	66
Exons	131..298, 348..626, 387..497, 388..537		

Seq. No.	42968	Seq. ID	OJ000450_15.0411.C5
Gene No.	89798	Strand	-
Start	1	End	2222
Name	OJ000450_15.0411.C5.o3.tw	Method	TBLASTX:Wheat
Start	483	End	675
GI	none	Score	186
Exons	483..674, 483..674, 604..675		

Seq. No.	42968	Seq. ID	OJ000450_15.0411.C5
Gene No.	89798	Strand	-
Start	1	End	2222
Name	OJ000450_15.0411.C5.o2.ts	Method	TBLASTX:Soybean
Start	546	End	926
GI	none	Score	88
Exons	546..788, 771..926		

Seq. No.	42968	Seq. ID	OJ000450_15.0411.C5
Gene No.	89798	Strand	-
Start	1	End	2222
Name	OJ000450_15.0411.C5.o1.tm	Method	TBLASTX:Maize
Start	953	End	1275
GI	none	Score	395
Exons	953..1120, 954..1268, 955..1248, 1021..1275		

Seq. No.	42968	Seq. ID	OJ000450_15.0411.C5
Gene No.	89798	Strand	-
Start	1	End	2222
Name	OJ000450_15.0411.C5.o2.tm	Method	TBLASTX:Maize

Start	1774	End	2087
GI	none	Score	297
Exons	1774..2079, 1776..2087		

Seq. No.	42968	Seq. ID	OJ000450_15.0411.C5
Gene No.	89798	Strand	-
Start	1	End	2222
Name	OJ000450_15.0411.C5.o2.tw	Method	TBLASTX:Wheat
Start	1835	End	2222
GI	none	Score	263
Exons	1835..2098, 1836..2222, 1837..2211		

Seq. No.	42969	Seq. ID	OJ000450_15.0411.C6
Gene No.	89799	Strand	+
Start	646	End	988
Name	OJ000450_15.0411.C6.o1.gs	Method	GENSCAN
Start	646	End	988
GI	none	Score	.78
Exons	646..898, 903..988		

Seq. No.	42969	Seq. ID	OJ000450_15.0411.C6
Gene No.	89800	Strand	+
Start	2960	End	3275
Name	OJ000450_15.0411.C6.o1.gp	Method	AAT/GAP
Start	2960	End	3275
GI	LIB3431-024-P1-N1-D8	Score	616
Exons	2960..3275		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	42969	Seq. ID	OJ000450_15.0411.C6
Gene No.	89801	Strand	+
Start	5074	End	16827
Name	OJ000450_15.0411.C6.o2.np	Method	AAT/NAP
Start	5074	End	7133
GI	7339719	Score	110
Exons	5074..5112, 7023..7133		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	42969	Seq. ID	OJ000450_15.0411.C6
Gene No.	89801	Strand	+
Start	5074	End	16827
Name	OJ000450_15.0411.C6.o3.gs	Method	GENSCAN
Start	5799	End	16827
GI	none	Score	.55
Exons	5799..5903, 7310..7387, 7453..7530, 7943..7964, 8215..8324, 8909..8948, 9557..9697, 10481..10522, 12168..12220, 14484..14518, 15456..16033, 16694..16827		

Seq. No.	42969	Seq. ID	OJ000450_15.0411.C6
Gene No.	89802	Strand	+
Start	17948	End	23267
Name	OJ000450_15.0411.C6.o2.gp	Method	AAT/GAP
Start	17927	End	18485
GI	uC-osrocyp009f01b1	Score	670
Exons	17927..18174, 18276..18356, 18456..18485		
GI Descrip.	'3914470/sp\|Q40070\|PSBR_HORVU 3.0e-16 PHOTOSYSTEM II 10 KD		

POLYPEPTIDE PRECURSOR >gi_1321868_emb_CAA66373_ (X97771) 10kD PSII protein [Hordeum vulgare]'

Seq. No.	42969	Seq. ID	OJ000450_15.0411.C6
Gene No.	89802	Strand	+
Start	17948	End	23267
Name	OJ000450_15.0411.C6.o4.gs	Method	GENSCAN
Start	17948	End	23267
GI	none	Score	.75
Exons	17948..18174, 18276..18356, 18456..18558, 19761..19850, 20060..20102, 22152..22297, 22637..22668, 23162..23267		

Seq. No.	42969	Seq. ID	OJ000450_15.0411.C6
Gene No.	89803	Strand	-
Start	3417	End	5164
Name	OJ000450_15.0411.C6.o1.np	Method	AAT/NAP
Start	3414	End	5164
GI	6633989	Score	1470
Exons	3414..4037, 4124..5164		
GI Descrip.	(AB036059) cytochrome P450 [Arabidopsis thaliana] gi\|6899886\|emb\|CAB71895.1\| (AL138642) cytochrome p450 (CYP78A9) [Arabidopsis thaliana]		

Seq. No.	42969	Seq. ID	OJ000450_15.0411.C6
Gene No.	89803	Strand	-
Start	3417	End	5164
Name	OJ000450_15.0411.C6.o2.gs	Method	GENSCAN
Start	3417	End	5164
GI	none	Score	.84
Exons	3417..4037, 4124..5164		

Seq. No.	42969	Seq. ID	OJ000450_15.0411.C6
Gene No.	89804	Strand	-
Start	7158	End	7750
Name	OJ000450_15.0411.C6.o1.tm	Method	TBLASTX:Maize
Start	3391	End	4393
GI	none	Score	104
Exons	3391..3513, 3417..3512, 3519..3650, 3522..3650, 3523..3672, 3660..3920, 3661..3903, 3917..3964, 3918..4037, 3918..4037, 3988..4038, 4124..4198, 4124..4198, 4173..4343, 4223..4393, 4301..4393		

Seq. No.	42969	Seq. ID	OJ000450_15.0411.C6
Gene No.	89804	Strand	-
Start	7158	End	7750
Name	OJ000450_15.0411.C6.o1.tw	Method	TBLASTX:Wheat
Start	3411	End	3671
GI	none	Score	68
Exons	3411..3503, 3426..3521, 3433..3519, 3519..3671, 3534..3671		

Seq. No.	42969	Seq. ID	OJ000450_15.0411.C6
Gene No.	89804	Strand	-
Start	7158	End	7750
Name	OJ000450_15.0411.C6.o1.ts	Method	TBLASTX:Soybean
Start	3429	End	4717
GI	none	Score	77
Exons	3429..3518, 3433..3519, 3513..3905, 3514..3903, 3918..4034,		

3921..4037, 3991..4038, 4122..4199, 4124..4207, 4124..4198, 4223..4393, 4233..4346, 4430..4477, 4437..4478, 4553..4717, 4569..4703, 4625..4714

Seq. No.	42969	Seq. ID	OJ000450_15.0411.C6
Gene No.	89804	Strand	-
Start	7158	End	7750
Name	OJ000450_15.0411.C6.o1.tc	Method	TBLASTX:Cress
Start	3534	End	4393
GI	none	Score	56
Exons	3534..3644, 3541..3648, 3672..3794, 3677..3739, 3819..4043, 3820..3900, 3985..4038, 4151..4393		

Seq. No.	42969	Seq. ID	OJ000450_15.0411.C6
Gene No.	89804	Strand	-
Start	7158	End	7750
Name	OJ000450_15.0411.C6.o3.tm	Method	TBLASTX:Maize
Start	4688	End	5134
GI	none	Score	131
Exons	4688..4816, 4689..4805, 4883..4933, 4883..4939, 4995..5057, 5006..5089, 5105..5134		

Seq. No.	42969	Seq. ID	OJ000450_15.0411.C6
Gene No.	89804	Strand	-
Start	7158	End	7750
Name	OJ000450_15.0411.C6.o3.np	Method	AAT/NAP
Start	7158	End	7750
GI	4539658	Score	119
Exons	7158..7368, 7694..7750		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	42969	Seq. ID	OJ000450_15.0411.C6
Gene No.	89805	Strand	
Start	18035	End	20137
Name	OJ000450_15.0411.C6.o2.tm	Method	TBLASTX:Maize
Start	18035	End	18551
GI	none	Score	185
Exons	18035..18175, 18058..18174, 18255..18356, 18262..18348, 18262..18363, 18276..18356, 18449..18547, 18453..18551, 18454..18549		

Seq. No.	42969	Seq. ID	OJ000450_15.0411.C6
Gene No.	89805	Strand	
Start	18035	End	20137
Name	OJ000450_15.0411.C6.o2.tc	Method	TBLASTX:Cress
Start	18047	End	20134
GI	none	Score	130
Exons	18047..18175, 18061..18174, 18262..18348, 18262..18363, 18453..18560, 18454..18558, 19746..19850, 20060..20134		

Seq. No.	42969	Seq. ID	OJ000450_15.0411.C6
Gene No.	89805	Strand	
Start	18035	End	20137
Name	OJ000450_15.0411.C6.o2.ts	Method	TBLASTX:Soybean
Start	18047	End	20131
GI	none	Score	118

Exons	18047..18175, 18058..18171, 18261..18356, 18262..18348, 18453..18554, 18454..18558, 19746..19850, 20060..20131		
Seq. No.	42969	Seq. ID	OJ000450_15.0411.C6
Gene No.	89805	Strand	
Start	18035	End	20137
Name	OJ000450_15.0411.C6.o2.tw	Method	TBLASTX:Wheat
Start	18325	End	20137
GI	none	Score	55
Exons	18325..18363, 18327..18356, 18332..18367, 18449..18556, 18453..18557, 18454..18558, 19746..19856, 19755..19832, 19759..19851, 20043..20135, 20059..20133, 20060..20137, 20072..20137		
Seq. No.	42970	Seq. ID	OJ000450_14.0411.C1
Gene No.	89806	Strand	-
Start	1604	End	1810
Name	OJ000450_14.0411.C1.o1.gs	Method	GENSCAN
Start	1604	End	1810
GI	none	Score	.96
Exons	1604..1810		
Seq. No.	42971	Seq. ID	OJ000450_14.0411.C2
Gene No.	89807	Strand	+
Start	15717	End	20560
Name	OJ000450_14.0411.C2.o4.gs	Method	GENSCAN
Start	15717	End	20560
GI	none	Score	.5
Exons	15717..15848, 17314..17437, 17707..17898, 18372..18412, 20396..20560		
Seq. No.	42971	Seq. ID	OJ000450_14.0411.C2
Gene No.	89807	Strand	+
Start	15717	End	20560
Name	OJ000450_14.0411.C2.o5.np	Method	AAT/NAP
Start	17344	End	19325
GI	7523502	Score	197
Exons	17344..17437, 17751..17881, 19205..19325		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	42971	Seq. ID	OJ000450_14.0411.C2
Gene No.	89808	Strand	-
Start	6303	End	6862
Name	OJ000450_14.0411.C2.o1.np	Method	AAT/NAP
Start	6303	End	6862
GI	7340909	Score	209
Exons	6303..6415, 6460..6862		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		
Seq. No.	42971	Seq. ID	OJ000450_14.0411.C2
Gene No.	89809	Strand	-
Start	6768	End	10657
Name	OJ000450_14.0411.C2.o3.np	Method	AAT/NAP
Start	6768	End	10657
GI	5922636	Score	142
Exons	6768..6863, 8874..8983, 9212..9398, 10619..10657		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a		

region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016869|dbj|BAA85212.1| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	42971	Seq. ID	OJ000450_14.0411.C2
Gene No.	89809	Strand	-
Start	6768	End	10657
Name	OJ000450_14.0411.C2.o2.np	Method	AAT/NAP
Start	7801	End	8334
GI	7228450	Score	322
Exons	7801..7914, 8000..8139, 8273..8334		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	42971	Seq. ID	OJ000450_14.0411.C2
Gene No.	89810	Strand	-
Start	11680	End	14408
Name	OJ000450_14.0411.C2.o4.np	Method	AAT/NAP
Start	11680	End	13482
GI	2583129	Score	164
Exons	11680..11764, 13241..13339, 13421..13482		
GI Descrip.	(AC002387) putative methionine aminopeptidase [Arabidopsis thaliana]		

Seq. No.	42971	Seq. ID	OJ000450_14.0411.C2
Gene No.	89810	Strand	-
Start	11680	End	14408
Name	OJ000450_14.0411.C2.o3.gs	Method	GENSCAN
Start	12954	End	14408
GI	none	Score	.58
Exons	12954..13339, 13421..13482, 14314..14408		

Seq. No.	42971	Seq. ID	OJ000450_14.0411.C2
Gene No.	89810	Strand	-
Start	11680	End	14408
Name	OJ000450_14.0411.C2.o1.tm	Method	TBLASTX:Maize
Start	13204	End	13486
GI	none	Score	163
Exons	13204..13341, 13236..13355, 13239..13355, 13398..13484, 13416..13484, 13418..13486		

Seq. No.	42971	Seq. ID	OJ000450_14.0411.C2
Gene No.	89810	Strand	-
Start	11680	End	14408
Name	OJ000450_14.0411.C2.o1.gp	Method	AAT/GAP
Start	13241	End	13570
GI	LIB3477-009-P1-K1-H10	Score	255
Exons	13241..13339, 13421..13488, 13535..13570		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	42972	Seq. ID	OJ000450_14.0411.C3
Gene No.	89811	Strand	+
Start	1	End	988
Name	OJ000450_14.0411.C3.o1.np	Method	AAT/NAP
Start	1	End	988
GI	6907106	Score	604

Exons	1..184, 245..479, 511..721, 795..988
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	42972	Seq. ID	OJ000450_14.0411.C3
Gene No.	89812	Strand	+
Start	1733	End	11177
Name	OJ000450_14.0411.C3.o2.np	Method	AAT/NAP
Start	1733	End	11177
GI	4680204	Score	59
Exons	1733..1756, 3158..3294, 6721..6754, 6843..6952, 11113..11177		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	42972	Seq. ID	OJ000450_14.0411.C3
Gene No.	89813	Strand	+
Start	16272	End	26864
Name	OJ000450_14.0411.C3.o5.np	Method	AAT/NAP
Start	15974	End	21314
GI	7444451	Score	1507
Exons	15974..16040, 20123..21314		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi\|2586082\|gb\|AAB82754.1\| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	42972	Seq. ID	OJ000450_14.0411.C3
Gene No.	89813	Strand	+
Start	16272	End	26864
Name	OJ000450_14.0411.C3.o3.gs	Method	GENSCAN
Start	16272	End	26864
GI	none	Score	.48
Exons	16272..16369, 16378..16534, 17715..17759, 17907..18027, 18634..18756, 18936..18996, 20603..20729, 20958..21266, 22548..22710, 23012..23177, 25556..25613, 25813..26031, 26093..26299, 26340..26864		

Seq. No.	42972	Seq. ID	OJ000450_14.0411.C3
Gene No.	89814	Strand	+
Start	30257	End	30481
Name	OJ000450_14.0411.C3.o5.gs	Method	GENSCAN
Start	30257	End	30481
GI	none	Score	.87
Exons	30257..30481		

Seq. No.	42972	Seq. ID	OJ000450_14.0411.C3
Gene No.	89815	Strand	+
Start	32958	End	34879
Name	OJ000450_14.0411.C3.o3.gp	Method	AAT/GAP
Start	32938	End	33593
GI	4714863	Score	1301
Exons	32938..33593		
GI Descrip.	1321867/emb\|X97771\|HVPSII10K 5.0e-14 H.vulgare mRNA for PSII 10kD protein		

Seq. No.	42972	Seq. ID	OJ000450_14.0411.C3
Gene No.	89815	Strand	+
Start	32958	End	34879
Name	OJ000450_14.0411.C3.o6.gs	Method	GENSCAN

Start	32958	End	34879
GI	none	Score	.75
Exons	32958..33111, 33338..33396, 33483..33538, 33782..33834, 34803..34879		

Seq. No.	42972	Seq. ID	OJ000450_14.0411.C3
Gene No.	89815	Strand	+
Start	32958	End	34879
Name	OJ000450_14.0411.C3.o6.np	Method	AAT/NAP
Start	32958	End	34050
GI	3914470	Score	464
Exons	32958..33111, 33338..33396, 33483..33538, 33782..33834, 33959..34050		
GI Descrip.	PHOTOSYSTEM II 10 KD POLYPEPTIDE PRECURSOR gi\|1321868\|emb\|CAA66373\| (X97771) 10kD PSII protein [Hordeum vulgare]		

Seq. No.	42972	Seq. ID	OJ000450_14.0411.C3
Gene No.	89815	Strand	+
Start	32958	End	34879
Name	OJ000450_14.0411.C3.o4.gp	Method	AAT/GAP
Start	33596	End	34366
GI	4714864	Score	1226
Exons	33596..33834, 33959..34366		
GI Descrip.	3914470/sp\|Q40070\|PSBR_HORVU 3.0e-16 PHOTOSYSTEM II 10 KD POLYPEPTIDE PRECURSOR >gi_1321868_emb_CAA66373_ (X97771) 10kD PSII protein [Hordeum vulgare]		

Seq. No.	42972	Seq. ID	OJ000450_14.0411.C3
Gene No.	89816	Strand	-
Start	6701	End	15387
Name	OJ000450_14.0411.C3.o2.gs	Method	GENSCAN
Start	6701	End	15387
GI	none	Score	.59
Exons	6701..7681, 8018..8138, 8488..8651, 8903..8981, 9069..9179, 9260..9511, 9595..9697, 9926..10945, 11031..11205, 11369..11547, 11637..11724, 11810..12061, 12119..13241, 15173..15387		

Seq. No.	42972	Seq. ID	OJ000450_14.0411.C3
Gene No.	89816	Strand	-
Start	6701	End	15387
Name	OJ000450_14.0411.C3.o4.np	Method	AAT/NAP
Start	9331	End	14552
GI	4680203	Score	608
Exons	9331..9387, 12080..13239, 14479..14552		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	42972	Seq. ID	OJ000450_14.0411.C3
Gene No.	89816	Strand	-
Start	6701	End	15387
Name	OJ000450_14.0411.C3.o1.gp	Method	AAT/GAP
Start	14442	End	14773
GI	2798886	Score	419
Exons	14442..14773		
GI Descrip.	58067/emb\|X52325\|ARBLSKP 7.0e-38 pBluescript SK(+) vector DNA, phagemid excised from lambda ZAP		

Seq. No.	42972	Seq. ID	OJ000450_14.0411.C3
Gene No.	89816	Strand	-
Start	6701	End	15387
Name	OJ000450_14.0411.C3.o2.gp	Method	AAT/GAP
Start	14443	End	14763
GI	2798886	Score	415
Exons	14443..14763		
GI Descrip.	58067/emb\|X52325\|ARBLSKP 7.0e-38 pBluescript SK(+) vector DNA, phagemid excised from lambda ZAP		

Seq. No.	42972	Seq. ID	OJ000450_14.0411.C3
Gene No.	89817	Strand	-
Start	27382	End	29285
Name	OJ000450_14.0411.C3.o4.tm	Method	TBLASTX:Maize
Start	544	End	905
GI	none	Score	136
Exons	544..642, 557..661, 561..749, 760..807, 762..857, 780..905, 833..859, 860..883		

Seq. No.	42972	Seq. ID	OJ000450_14.0411.C3
Gene No.	89817	Strand	-
Start	27382	End	29285
Name	OJ000450_14.0411.C3.o2.tw	Method	TBLASTX:Wheat
Start	12080	End	12338
GI	none	Score	143
Exons	12080..12337, 12090..12338		

Seq. No.	42972	Seq. ID	OJ000450_14.0411.C3
Gene No.	89817	Strand	-
Start	27382	End	29285
Name	OJ000450_14.0411.C3.o1.tc	Method	TBLASTX:Cress
Start	12110	End	12463
GI	none	Score	274
Exons	12110..12463		

Seq. No.	42972	Seq. ID	OJ000450_14.0411.C3
Gene No.	89817	Strand	-
Start	27382	End	29285
Name	OJ000450_14.0411.C3.o3.tm	Method	TBLASTX:Maize
Start	12131	End	12368
GI	none	Score	126
Exons	12131..12337, 12131..12337, 12147..12368, 12156..12341		

Seq. No.	42972	Seq. ID	OJ000450_14.0411.C3
Gene No.	89817	Strand	-
Start	27382	End	29285
Name	OJ000450_14.0411.C3.o2.ts	Method	TBLASTX:Soybean
Start	12191	End	12622
GI	none	Score	106
Exons	12191..12430, 12192..12431, 12458..12622, 12495..12617		

Seq. No.	42972	Seq. ID	OJ000450_14.0411.C3
Gene No.	89817	Strand	-
Start	27382	End	29285
Name	OJ000450_14.0411.C3.o3.tw	Method	TBLASTX:Wheat
Start	12345	End	12790
GI	none	Score	48

Exons	12345..12449, 12480..12734, 12497..12790		
Seq. No.	42972	Seq. ID	OJ000450_14.0411.C3
Gene No.	89817	Strand	-
Start	27382	End	29285
Name	OJ000450_14.0411.C3.o5.tm	Method	TBLASTX:Maize
Start	20199	End	20531
GI	none	Score	196
Exons	20199..20405, 20225..20260, 20291..20524, 20469..20531		
Seq. No.	42972	Seq. ID	OJ000450_14.0411.C3
Gene No.	89817	Strand	-
Start	27382	End	29285
Name	OJ000450_14.0411.C3.o3.ts	Method	TBLASTX:Soybean
Start	20204	End	20387
GI	none	Score	186
Exons	20204..20326, 20205..20387		
Seq. No.	42972	Seq. ID	OJ000450_14.0411.C3
Gene No.	89817	Strand	-
Start	27382	End	29285
Name	OJ000450_14.0411.C3.o1.tw	Method	TBLASTX:Wheat
Start	20469	End	20903
GI	none	Score	431
Exons	20469..20903, 20471..20785, 20816..20902		
Seq. No.	42972	Seq. ID	OJ000450_14.0411.C3
Gene No.	89817	Strand	-
Start	27382	End	29285
Name	OJ000450_14.0411.C3.o2.tm	Method	TBLASTX:Maize
Start	20580	End	20825
GI	none	Score	282
Exons	20580..20825, 20585..20794		
Seq. No.	42972	Seq. ID	OJ000450_14.0411.C3
Gene No.	89817	Strand	-
Start	27382	End	29285
Name	OJ000450_14.0411.C3.o1.ts	Method	TBLASTX:Soybean
Start	20667	End	21263
GI	none	Score	483
Exons	20667..21263, 20669..20794, 20855..21253		
Seq. No.	42972	Seq. ID	OJ000450_14.0411.C3
Gene No.	89817	Strand	-
Start	27382	End	29285
Name	OJ000450_14.0411.C3.o1.tm	Method	TBLASTX:Maize
Start	20833	End	21257
GI	none	Score	144
Exons	20833..20952, 20834..20968, 20835..20963, 20841..20969, 20970..21257, 20972..21211		
Seq. No.	42972	Seq. ID	OJ000450_14.0411.C3
Gene No.	89817	Strand	-
Start	27382	End	29285
Name	OJ000450_14.0411.C3.o2.tc	Method	TBLASTX:Cress
Start	20841	End	21290
GI	none	Score	63

Exons	20841..20930, 20940..21056, 20996..21055, 21095..21283, 21096..21290		
Seq. No.	42972	Seq. ID	OJ000450_14.0411.C3
Gene No.	89817	Strand	-
Start	27382	End	29285
Name	OJ000450_14.0411.C3.o4.gs	Method	GENSCAN
Start	27382	End	29285
GI	none	Score	.46
Exons	27382..27543, 28501..28705, 28752..28914, 28976..29285		
Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89818	Strand	+
Start	62	End	466
Name	OJ000450_17.0411.C2.o1.gs	Method	GENSCAN
Start	62	End	466
GI	none	Score	.67
Exons	62..182, 194..466		
Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89819	Strand	+
Start	5028	End	5706
Name	OJ000450_17.0411.C2.o4.gs	Method	GENSCAN
Start	5028	End	5706
GI	none	Score	.59
Exons	5028..5032, 5272..5399, 5426..5706		
Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89820	Strand	+
Start	10089	End	10685
Name	OJ000450_17.0411.C2.o5.gs	Method	GENSCAN
Start	10089	End	10685
GI	none	Score	.45
Exons	10089..10685		
Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89821	Strand	+
Start	30235	End	31543
Name	OJ000450_17.0411.C2.o3.np	Method	AAT/NAP
Start	30235	End	31543
GI	5777617	Score	68
Exons	30235..30317, 31444..31543		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		
Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89822	Strand	+
Start	34985	End	45837
Name	OJ000450_17.0411.C2.o2.gp	Method	AAT/GAP
Start	34723	End	38882
GI	31129_1.R1084	Score	1847
Exons	34723..35035, 35611..35669, 36133..36223, 37060..37114, 37217..37307, 37855..38050, 38661..38882		
GI Descrip.	'3880625/emb\|CAB07858.1\| 3.0e-27 (Z93785) predicted using Genefinder; similar to RNA recognition motif. (aka RRM, RBD, or RNP domain); cDNA EST EMBL:T01682 comes from this gene; cDNA EST EMBL:M75823 comes from this gene; cDNA EST EMBL:D27559 comes from this '		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89822	Strand	+
Start	34985	End	45837
Name	OJ000450_17.0411.C2.o4.np	Method	AAT/NAP
Start	34803	End	45837
GI	7509170	Score	152
Exons	34803..34856, 35611..35669, 36133..36223, 37060..37114, 37217..37310, 45767..45837		
GI Descrip.	hypothetical protein W09D10.1 - Caenorhabditis elegans gi\|3880625\|emb\|CAB07858.1\| (Z93785) predicted using Genefinder; similar to RNA recognition motif. (aka RRM, RBD, or RNP domain); cDNA EST EMBL:T01682 comes from this gene; cDNA EST EMBL:M75823 comes from this gene; cDNA EST EMBL:D27559 comes from this gene; cDNA EST EMBL:T00202 >		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89822	Strand	+
Start	34985	End	45837
Name	OJ000450_17.0411.C2.o8.gs	Method	GENSCAN
Start	34985	End	40816
GI	none	Score	.63
Exons	34985..35035, 35611..35669, 36133..36223, 37060..37114, 37217..37307, 37855..38050, 38661..38889, 39049..39227, 39414..39602, 39680..39735, 40645..40816		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89822	Strand	+
Start	34985	End	45837
Name	OJ000450_17.0411.C2.o3.gp	Method	AAT/GAP
Start	39369	End	40483
GI	17884_1.R1084	Score	1637
Exons	39369..39602, 39680..39735, 39876..40483		
GI Descrip.	'1330273/dbj\|D85055\|RICSINE11 2.0e-18 Rice retroposon p-SINE1-r31 gene'		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89823	Strand	+
Start	55492	End	57509
Name	OJ000450_17.0411.C2.o10.gs	Method	GENSCAN
Start	55492	End	57509
GI	none	Score	.69
Exons	55492..55506, 56278..56415, 56890..57013, 57421..57509		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89824	Strand	+
Start	60662	End	61434
Name	OJ000450_17.0411.C2.o12.gs	Method	GENSCAN
Start	60662	End	61434
GI	none	Score	.59
Exons	60662..60788, 61241..61434		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89825	Strand	+
Start	67779	End	68871
Name	OJ000450_17.0411.C2.o13.np	Method	AAT/NAP
Start	67767	End	68862

GI	7484716	Score	415
Exons	67767..68386, 68481..68862		
GI Descrip.	cotton fiber expressed protein 1 - upland cotton gi\|3264828\|gb\|AAC33276.1\| (AF072404) cotton fiber expressed protein 1 [Gossypium hirsutum]		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89825	Strand	+
Start	67779	End	68871
Name	OJ000450_17.0411.C2.o14.gs	Method	GENSCAN
Start	67779	End	68871
GI	none	Score	1
Exons	67779..68382, 68474..68871		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89826	Strand	+
Start	78219	End	78613
Name	OJ000450_17.0411.C2.o16.gs	Method	GENSCAN
Start	78219	End	78613
GI	none	Score	.8
Exons	78219..78318, 78404..78531, 78590..78613		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89827	Strand	+
Start	82395	End	82830
Name	OJ000450_17.0411.C2.o17.np	Method	AAT/NAP
Start	82395	End	82830
GI	6539570	Score	139
Exons	82395..82589, 82760..82830		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89828	Strand	-
Start	839	End	3119
Name	OJ000450_17.0411.C2.o2.gs	Method	GENSCAN
Start	839	End	3119
GI	none	Score	.61
Exons	839..1298, 1700..1785, 2501..2659, 2679..2786, 3039..3119		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89829	Strand	-
Start	3972	End	4723
Name	OJ000450_17.0411.C2.o3.gs	Method	GENSCAN
Start	3972	End	4723
GI	none	Score	.98
Exons	3972..4451, 4709..4723		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89830	Strand	-
Start	14352	End	14944
Name	OJ000450_17.0411.C2.o1.gp	Method	AAT/GAP
Start	14352	End	14944
GI	none	Score	1137
Exons	14352..14944		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89831	Strand	-

Start	24258	End	35821
Name	OJ000450_17.0411.C2.o1.np	Method	AAT/NAP
Start	24258	End	35821
GI	6466937	Score	2461
Exons	24258..24353, 24879..28507, 28552..29125, 31659..31905, 35763..35821		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89831	Strand	-
Start	24258	End	35821
Name	OJ000450_17.0411.C2.o2.np	Method	AAT/NAP
Start	28661	End	30337
GI	6539588	Score	252
Exons	28661..28731, 30032..30337		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89832	Strand	-
Start	41656	End	53920
Name	OJ000450_17.0411.C2.o9.gs	Method	GENSCAN
Start	41656	End	53920
GI	none	Score	.78
Exons	41656..42004, 42125..42223, 42402..45496, 45570..45884, 46561..46750, 46931..47036, 48698..51110, 52016..52140, 53366..53479, 53656..53695, 53843..53920		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89832	Strand	-
Start	41656	End	53920
Name	OJ000450_17.0411.C2.o8.np	Method	AAT/NAP
Start	48926	End	51075
GI	7485859	Score	792
Exons	48926..50243, 50601..51075		
GI Descrip.	hypothetical protein F20D10.300 - Arabidopsis thaliana gi\|4467124\|emb\|CAB37558.1\| (AL035538) hypothetical protein [Arabidopsis thaliana] gi\|7270802\|emb\|CAB80483.1\| (AL161593) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89832	Strand	-
Start	41656	End	53920
Name	OJ000450_17.0411.C2.o4.gp	Method	AAT/GAP
Start	49323	End	49787
GI	95376_1.R1084	Score	893
Exons	49323..49787		
GI Descrip.	'4768986/gb\|AAD29706.1\|AF140493_1 1.0e-66 (AF140493) hypothetical protein [Oryza sativa]'		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89832	Strand	-
Start	41656	End	53920
Name	OJ000450_17.0411.C2.o9.np	Method	AAT/NAP
Start	50352	End	50771
GI	4768986	Score	727
Exons	50352..50771		

GI Descrip.	(AF140493) hypothetical protein [Oryza sativa]		
Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89832	Strand	-
Start	41656	End	53920
Name	OJ000450_17.0411.C2.o5.gp	Method	AAT/GAP
Start	50353	End	50772
GI	4768985	Score	836
Exons	50353..50772		
GI Descrip.	4768986/gb\|AAD29706.1\|AF140493_1 1.0e-66 (AF140493) hypothetical protein [Oryza sativa]		
Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89833	Strand	-
Start	54707	End	55023
Name	OJ000450_17.0411.C2.o10.np	Method	AAT/NAP
Start	54707	End	55023
GI	7487819	Score	76
Exons	54707..55023		
GI Descrip.	hypothetical protein T8K22.5 - Arabidopsis thaliana gi\|3184275\|gb\|AAC18922.1\| (AC004136) putative reverse transcriptase [Arabidopsis thaliana]		
Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89834	Strand	-
Start	57882	End	59398
Name	OJ000450_17.0411.C2.o11.gs	Method	GENSCAN
Start	57882	End	59398
GI	none	Score	.82
Exons	57882..57979, 58025..58108, 58199..58313, 59330..59398		
Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89835	Strand	-
Start	60477	End	60574
Name	OJ000450_17.0411.C2.o6.gp	Method	AAT/GAP
Start	60477	End	60574
GI	LIB3477-003-P1-K1-E9	Score	102
Exons	60477..60574		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89836	Strand	-
Start	68152	End	84259
Name	OJ000450_17.0411.C2.o14.np	Method	AAT/NAP
Start	68152	End	81867
GI	1946371	Score	931
Exons	68152..68236, 70382..70449, 70538..70887, 72195..72376, 72726..72775, 73002..73361, 73879..73955, 74333..74507, 74985..75081, 75225..75337, 77523..77586, 81832..81867		
GI Descrip.	(U93215) putative VP1/ABI3 family regulatory protein [Arabidopsis thaliana]		
Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89836	Strand	-
Start	68152	End	84259

Name	OJ000450_17.0411.C2.o15.gs	Method	GENSCAN
Start	70328	End	77573
GI	none	Score	.73
Exons	70328..70653, 70655..70771, 70792..70887, 71647..71714, 72263..72297, 73002..73397, 73879..73955, 74333..74483, 74985..75081, 75672..75874, 76629..76730, 76843..76924, 77227..77573		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89836	Strand	-
Start	68152	End	84259
Name	OJ000450_17.0411.C2.o7.gp	Method	AAT/GAP
Start	73026	End	73942
GI	LIB3474-003-P1-K1-G9	Score	852
Exons	73026..73397, 73879..73942		
GI Descrip.	'1946371 3.0e-12 (U93215) regulatory protein Viviparous-1 isolog [Arabidopsis thaliana]'		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89836	Strand	-
Start	68152	End	84259
Name	OJ000450_17.0411.C2.o15.np	Method	AAT/NAP
Start	78786	End	82012
GI	5852093	Score	64
Exons	78786..78824, 80505..80717, 81983..82012		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89836	Strand	-
Start	68152	End	84259
Name	OJ000450_17.0411.C2.o16.np	Method	AAT/NAP
Start	80526	End	80627
GI	5852093	Score	67
Exons	80526..80627		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89836	Strand	-
Start	68152	End	84259
Name	OJ000450_17.0411.C2.o17.gs	Method	GENSCAN
Start	81697	End	84259
GI	none	Score	.53
Exons	81697..81849, 82159..82236, 82404..82505, 84167..84259		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o12.ts	Method	TBLASTX:Soybean
Start	848	End	4220
GI	none	Score	76
Exons	848..1033, 1013..1087, 3981..4166, 4146..4220		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o14.tm	Method	TBLASTX:Maize
Start	10291	End	10590

GI	none	Score	385
Exons	10291..10542, 10320..10541, 10444..10590		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o10.ts	Method	TBLASTX:Soybean
Start	10309	End	10530
GI	none	Score	212
Exons	10309..10455, 10320..10451, 10474..10530, 10476..10508		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o4.tc	Method	TBLASTX:Cress
Start	10315	End	10524
GI	none	Score	182
Exons	10315..10449, 10320..10448, 10465..10524		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o10.tm	Method	TBLASTX:Maize
Start	13484	End	13933
GI	none	Score	70
Exons	13484..13615, 13496..13540, 13691..13933, 13692..13901		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o1.tc	Method	TBLASTX:Cress
Start	13691	End	14317
GI	none	Score	147
Exons	13691..13876, 13695..13844, 13886..13930, 13985..14131, 14019..14132, 14138..14197, 14240..14317		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o1.ts	Method	TBLASTX:Soybean
Start	13692	End	14566
GI	none	Score	113
Exons	13692..13901, 13700..13945, 13985..14149, 13992..14165, 14168..14566, 14241..14306		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o10.tw	Method	TBLASTX:Wheat
Start	13694	End	14039
GI	none	Score	171
Exons	13694..13927, 13695..13901, 13763..13927, 13985..14038, 13992..14039		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565

Name	OJ000450_17.0411.C2.o19.tm	Method	TBLASTX:Maize
Start	13985	End	14494
GI	none	Score	189
Exons	13985..14131, 13986..14135, 14207..14371, 14211..14327, 14348..14494, 14378..14494		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o11.tm	Method	TBLASTX:Maize
Start	14496	End	14912
GI	none	Score	342
Exons	14496..14912, 14498..14893		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o6.tm	Method	TBLASTX:Maize
Start	24867	End	25506
GI	none	Score	133
Exons	24867..24944, 24868..25065, 24868..25119, 25105..25506, 25244..25408		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o2.tw	Method	TBLASTX:Wheat
Start	25039	End	25440
GI	none	Score	108
Exons	25039..25440, 25151..25408		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o4.tw	Method	TBLASTX:Wheat
Start	25501	End	25893
GI	none	Score	117
Exons	25501..25893, 25514..25849		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o2.tm	Method	TBLASTX:Maize
Start	25511	End	26148
GI	none	Score	197
Exons	25511..25720, 25513..26046, 25513..26148, 25835..26047		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o5.ts	Method	TBLASTX:Soybean
Start	25741	End	26118
GI	none	Score	130
Exons	25741..26118, 25835..26041		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-

Start	87101	End	88565
Name	OJ000450_17.0411.C2.o3.tw	Method	TBLASTX:Wheat
Start	25981	End	26376
GI	none	Score	77
Exons	25981..26376, 25993..26247		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o7.tm	Method	TBLASTX:Maize
Start	26275	End	26891
GI	none	Score	308
Exons	26275..26370, 26365..26808, 26405..26863, 26808..26891		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o13.tw	Method	TBLASTX:Wheat
Start	26482	End	27171
GI	none	Score	59
Exons	26482..26541, 26949..27170, 27058..27171		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o16.ts	Method	TBLASTX:Soybean
Start	26560	End	26799
GI	none	Score	189
Exons	26560..26799		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o8.ts	Method	TBLASTX:Soybean
Start	26838	End	27194
GI	none	Score	79
Exons	26838..26933, 26937..27194, 26941..27183		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o25.tm	Method	TBLASTX:Maize
Start	26892	End	27110
GI	none	Score	103
Exons	26892..26933, 26937..27110, 26961..27110		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o5.tm	Method	TBLASTX:Maize
Start	27117	End	27593
GI	none	Score	301
Exons	27117..27593, 27118..27588		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565

Name	OJ000450_17.0411.C2.o1.tw	Method	TBLASTX:Wheat
Start	27171	End	27653
GI	none	Score	237
Exons	27171..27653, 27175..27573		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o14.ts	Method	TBLASTX:Soybean
Start	27303	End	27617
GI	none	Score	218
Exons	27303..27617		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o23.tm	Method	TBLASTX:Maize
Start	27858	End	28481
GI	none	Score	82
Exons	27858..27950, 28038..28283, 28336..28470, 28347..28481		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o24.tm	Method	TBLASTX:Maize
Start	34978	End	38052
GI	none	Score	92
Exons	34978..35034, 34984..35052, 34985..35038, 35607..35669, 35608..35670, 35608..35673, 36131..36226, 36132..36224, 36133..36228, 37051..37119, 37054..37125, 37204..37308, 37211..37306, 37218..37310, 37218..37310, 37219..37311, 37844..38050, 37854..38021, 37855..38040, 37861..38052		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o13.ts	Method	TBLASTX:Soybean
Start	34985	End	39394
GI	none	Score	79
Exons	34985..35038, 35607..35717, 35608..35670, 36130..36225, 36131..36226, 36134..36229, 36135..36230, 37051..37119, 37057..37125, 37204..37308, 37218..37310, 37844..37927, 38775..38840, 38981..39007, 39048..39146, 39050..39157, 39182..39232, 39192..39227, 39330..39383, 39332..39394		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o3.tc	Method	TBLASTX:Cress
Start	34985	End	38825
GI	none	Score	78
Exons	34985..35038, 35607..35717, 35608..35670, 36131..36226, 36133..36225, 36134..36229, 37051..37119, 37059..37109, 37204..37308, 37217..37309, 37218..37310, 37219..37311, 38775..38825		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2

Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o12.tw	Method	TBLASTX:Wheat
Start	37961	End	38910
GI	none	Score	92
Exons	37961..38050, 37966..38052, 37967..38038, 37975..38046, 38658..38681, 38659..38700, 38659..38730, 38705..38734, 38733..38888, 38738..38887, 38787..38909, 38788..38910		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o16.tm	Method	TBLASTX:Maize
Start	38735	End	40060
GI	none	Score	212
Exons	38735..38884, 38748..38888, 38749..38907, 39032..39232, 39049..39225, 39054..39248, 39054..39227, 39056..39232, 39330..39386, 39332..39472, 39332..39397, 39392..39490, 39392..39490, 39502..39603, 39507..39605, 39677..39736, 39677..39736, 39880..39936, 39882..39938, 39950..40060, 39950..40054		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o1.tm	Method	TBLASTX:Maize
Start	41680	End	43192
GI	none	Score	51
Exons	41680..41715, 41681..41713, 41725..42006, 41738..42007, 41739..42005, 41747..42007, 41752..42009, 42116..42220, 42117..42218, 42127..42219, 42401..43129, 42402..43133, 42697..43134, 42729..43133, 42836..43135, 43133..43192		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o2.tc	Method	TBLASTX:Cress
Start	41746	End	42007
GI	none	Score	121
Exons	41746..42006, 41789..42007		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o3.ts	Method	TBLASTX:Soybean
Start	42633	End	43033
GI	none	Score	55
Exons	42633..42692, 42635..42700, 42692..43033, 42697..42795, 42705..43028, 42842..43033		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o2.ts	Method	TBLASTX:Soybean
Start	43091	End	43498
GI	none	Score	70
Exons	43091..43213, 43094..43441, 43095..43334, 43237..43392,		

43292..43396, 43392..43442, 43442..43498

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o9.tm	Method	TBLASTX:Maize
Start	43439	End	43867
GI	none	Score	140
Exons	43439..43594, 43440..43595, 43440..43595, 43595..43867, 43595..43861		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o11.ts	Method	TBLASTX:Soybean
Start	44018	End	44467
GI	none	Score	80
Exons	44018..44089, 44077..44187, 44141..44257, 44297..44467, 44319..44453		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o15.ts	Method	TBLASTX:Soybean
Start	45275	End	46722
GI	none	Score	128
Exons	45275..45328, 45377..45445, 45579..45719, 45583..45720, 45726..45863, 45727..45852, 46576..46722		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o18.tm	Method	TBLASTX:Maize
Start	48735	End	49019
GI	none	Score	268
Exons	48735..49019, 48739..49017		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o3.tm	Method	TBLASTX:Maize
Start	49033	End	49530
GI	none	Score	600
Exons	49033..49530, 49035..49529		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o4.ts	Method	TBLASTX:Soybean
Start	49353	End	50060
GI	none	Score	106
Exons	49353..49433, 49515..50060, 49716..50027, 49945..50055		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o11.tw	Method	TBLASTX:Wheat

Start	49458	End	49892
GI	none	Score	240
Exons	49458..49892		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o15.tm	Method	TBLASTX:Maize
Start	49530	End	49910
GI	none	Score	195
Exons	49530..49910, 49537..49881, 49548..49907		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o5.tc	Method	TBLASTX:Cress
Start	49809	End	50150
GI	none	Score	195
Exons	49809..50150		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o21.tm	Method	TBLASTX:Maize
Start	49911	End	50169
GI	none	Score	141
Exons	49911..50168, 49936..50169		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o4.tm	Method	TBLASTX:Maize
Start	50325	End	51039
GI	none	Score	101
Exons	50325..50477, 50386..50487, 50386..50481, 50403..50555, 50406..50540, 50422..50556, 50472..50870, 50483..50872, 50559..50870, 50560..50871, 50787..50936, 50800..50931, 50862..51035, 50965..51039		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o26.tm	Method	TBLASTX:Maize
Start	54386	End	54677
GI	none	Score	41
Exons	54386..54484, 54479..54676, 54491..54541, 54564..54677		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o5.tw	Method	TBLASTX:Wheat
Start	54755	End	55120
GI	none	Score	292
Exons	54755..54796, 54797..55120		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-

Start	87101	End	88565
Name	OJ000450_17.0411.C2.o13.tm	Method	TBLASTX:Maize
Start	54845	End	55345
GI	none	Score	127
Exons	54845..54931, 54944..55315, 55086..55316, 55099..55314, 55127..55345		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o8.tw	Method	TBLASTX:Wheat
Start	55214	End	55765
GI	none	Score	151
Exons	55214..55312, 55404..55529, 55505..55765		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o9.ts	Method	TBLASTX:Soybean
Start	55404	End	55915
GI	none	Score	219
Exons	55404..55493, 55562..55915		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o17.tm	Method	TBLASTX:Maize
Start	55516	End	59539
GI	none	Score	40
Exons	55516..55551, 55520..56083, 55640..55963, 55860..55997, 55861..55998, 59118..59177, 59126..59383, 59217..59363, 59352..59516, 59360..59539		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o7.tw	Method	TBLASTX:Wheat
Start	59180	End	59488
GI	none	Score	129
Exons	59180..59383, 59217..59369, 59376..59453, 59378..59473, 59378..59488		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o6.tw	Method	TBLASTX:Wheat
Start	59816	End	60152
GI	none	Score	117
Exons	59816..60130, 59826..60152		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o22.tm	Method	TBLASTX:Maize
Start	68535	End	69014
GI	none	Score	96
Exons	68535..68627, 68539..68667, 68664..68693, 68724..68798,		

68725..68859, 68725..68850, 68994..69014

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o8.tm	Method	TBLASTX:Maize
Start	70337	End	73400
GI	none	Score	88
Exons	70337..70435, 70344..70529, 70346..70438, 70359..70448, 70430..70537, 70442..70534, 70537..70602, 70614..70853, 70614..70847, 70652..70864, 71645..71716, 72255..72377, 72260..72373, 72262..72381, 72665..72781, 72965..73288, 73000..73398, 73002..73400, 73002..73400		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o6.ts	Method	TBLASTX:Soybean
Start	70343	End	70841
GI	none	Score	68
Exons	70343..70567, 70362..70475, 70535..70609, 70575..70628, 70614..70799, 70614..70760, 70652..70798, 70670..70834, 70779..70841		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o9.tw	Method	TBLASTX:Wheat
Start	72261	End	73164
GI	none	Score	162
Exons	72261..72377, 72262..72381, 72263..72376, 72665..72781, 72698..72778, 73000..73164, 73002..73163		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o7.ts	Method	TBLASTX:Soybean
Start	73865	End	75334
GI	none	Score	103
Exons	73865..73957, 73870..73959, 74320..74523, 74334..74507, 74336..74509, 74967..75068, 74986..75081, 74986..75102, 75224..75334, 75225..75326		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o20.tm	Method	TBLASTX:Maize
Start	74320	End	75435
GI	none	Score	272
Exons	74320..74523, 74334..74507, 74335..74508, 74967..75068, 74977..75090, 74984..75109, 74985..75080, 74986..75090, 75207..75335, 75224..75346, 75225..75347, 75232..75348, 75346..75435, 75364..75435		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565

Name	OJ000450_17.0411.C2.o12.tm	Method	TBLASTX:Maize
Start	75674	End	75957
GI	none	Score	362
Exons	75674..75955, 75675..75956, 75676..75957		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o17.ts	Method	TBLASTX:Soybean
Start	76641	End	77333
GI	none	Score	67
Exons	76641..76733, 76645..76722, 76836..76898, 76843..76920, 77229..77282, 77230..77277, 77280..77333		

Seq. No.	42973	Seq. ID	OJ000450_17.0411.C2
Gene No.	89837	Strand	-
Start	87101	End	88565
Name	OJ000450_17.0411.C2.o18.gs	Method	GENSCAN
Start	87101	End	88565
GI	none	Score	.57
Exons	87101..87194, 88468..88565		

Seq. No.	42974	Seq. ID	OJ000450_17.0411.C3
Gene No.	89838	Strand	+
Start	1	End	3065
Name	OJ000450_17.0411.C3.o1.np	Method	AAT/NAP
Start	1	End	1546
GI	5441880	Score	926
Exons	1..24, 421..596, 841..914, 951..974, 1065..1196, 1312..1546		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	42974	Seq. ID	OJ000450_17.0411.C3
Gene No.	89838	Strand	+
Start	1	End	3065
Name	OJ000450_17.0411.C3.o2.np	Method	AAT/NAP
Start	1	End	1849
GI	7228442	Score	132
Exons	1..58, 1665..1849		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	42974	Seq. ID	OJ000450_17.0411.C3
Gene No.	89838	Strand	+
Start	1	End	3065
Name	OJ000450_17.0411.C3.o2.gp	Method	AAT/GAP
Start	405	End	588
GI	LIB3475-007-P1-K1-G8	Score	293
Exons	405..588		
GI Descrip.	'5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	42974	Seq. ID	OJ000450_17.0411.C3
Gene No.	89838	Strand	+

Start	1	End	3065
Name	OJ000450_17.0411.C3.o1.gs	Method	GENSCAN
Start	421	End	3065
GI	none	Score	.54
Exons	421..596, 689..974, 1014..1529, 1665..1796, 2166..2327, 2741..2911, 3052..3065		

Seq. No.	42974	Seq. ID	OJ000450_17.0411.C3
Gene No.	89839	Strand	+
Start	9121	End	11922
Name	OJ000450_17.0411.C3.o3.gs	Method	GENSCAN
Start	9121	End	11922
GI	none	Score	.73
Exons	9121..9527, 11237..11355, 11510..11585, 11790..11922		

Seq. No.	42974	Seq. ID	OJ000450_17.0411.C3
Gene No.	89840	Strand	-
Start	1	End	7406
Name	OJ000450_17.0411.C3.o1.gp	Method	AAT/GAP
Start	1	End	71
GI	7406_1.R1084	Score	91
Exons	1..71		
GI Descrip.	'1122315/emb\|CAA63901\| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	42974	Seq. ID	OJ000450_17.0411.C3
Gene No.	89840	Strand	-
Start	1	End	7406
Name	OJ000450_17.0411.C3.o4.np	Method	AAT/NAP
Start	1	End	7406
GI	7485713	Score	737
Exons	1..43, 128..218, 4462..4640, 4862..4989, 5328..5505, 5544..5661, 6081..6174, 6321..6398, 6534..6620, 6868..6940, 7083..7183, 7281..7406		
GI Descrip.	hypothetical protein F18E5.160 - Arabidopsis thaliana gi\|3080398\|emb\|CAA18718.1\| (AL022603) putative protein [Arabidopsis thaliana] gi\|7268951\|emb\|CAB81261.1\| (AL161555) putative protein [Arabidopsis thaliana]		

Seq. No.	42974	Seq. ID	OJ000450_17.0411.C3
Gene No.	89840	Strand	-
Start	1	End	7406
Name	OJ000450_17.0411.C3.o3.np	Method	AAT/NAP
Start	1013	End	2258
GI	6721543	Score	95
Exons	1013..1086, 2130..2258		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	42974	Seq. ID	OJ000450_17.0411.C3
Gene No.	89840	Strand	-
Start	1	End	7406
Name	OJ000450_17.0411.C3.o3.gp	Method	AAT/GAP
Start	1838	End	2244
GI	7406_1.R1084	Score	669
Exons	1838..2244		
GI Descrip.	'1122315/emb\|CAA63901\| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	42974	Seq. ID	OJ000450_17.0411.C3
Gene No.	89840	Strand	-
Start	1	End	7406
Name	OJ000450_17.0411.C3.o2.gs	Method	GENSCAN
Start	3535	End	7367
GI	none	Score	.59
Exons	3535..3651, 4019..4050, 4094..4388, 4472..4630, 4867..4989, 5382..5572, 6868..6940, 7083..7208, 7353..7367		

Seq. No.	42974	Seq. ID	OJ000450_17.0411.C3
Gene No.	89840	Strand	-
Start	1	End	7406
Name	OJ000450_17.0411.C3.o4.gp	Method	AAT/GAP
Start	4172	End	4660
GI	5667167	Score	847
Exons	4172..4660		
GI Descrip.	3080398/emb\|CAA18718.1\| 3.0e-11 (AL022603) putative protein [Arabidopsis thaliana]		

Seq. No.	42974	Seq. ID	OJ000450_17.0411.C3
Gene No.	89840	Strand	-
Start	1	End	7406
Name	OJ000450_17.0411.C3.o5.gp	Method	AAT/GAP
Start	6104	End	7175
GI	uC-osflcyp065a12b1	Score	690
Exons	6104..6174, 6321..6398, 6534..6620, 6868..6940, 7083..7175		
GI Descrip.	'3080398/emb\|CAA18718.1\| 3.0e-11 (AL022603) putative protein [Arabidopsis thaliana]'		

Seq. No.	42974	Seq. ID	OJ000450_17.0411.C3
Gene No.	89841	Strand	-
Start	9181	End	9615
Name	OJ000450_17.0411.C3.o2.tm	Method	TBLASTX:Maize
Start	4408	End	4607
GI	none	Score	122
Exons	4408..4524, 4433..4519, 4520..4597, 4529..4606, 4530..4607		

Seq. No.	42974	Seq. ID	OJ000450_17.0411.C3
Gene No.	89841	Strand	-
Start	9181	End	9615
Name	OJ000450_17.0411.C3.o1.tm	Method	TBLASTX:Maize
Start	5385	End	6628
GI	none	Score	44
Exons	5385..5432, 5391..5432, 5424..5636, 5437..5649, 5444..5650, 5456..5650, 6093..6182, 6095..6181, 6310..6399, 6316..6399, 6318..6425, 6320..6403, 6518..6628, 6533..6622, 6534..6623		

Seq. No.	42974	Seq. ID	OJ000450_17.0411.C3
Gene No.	89841	Strand	-
Start	9181	End	9615
Name	OJ000450_17.0411.C3.o1.tw	Method	TBLASTX:Wheat
Start	6329	End	9479
GI	none	Score	108
Exons	6329..6403, 6331..6399, 6518..6622, 6529..6621, 6533..6622, 6860..6931, 6866..6940, 6867..6941, 9093..9134, 9264..9314, 9273..9479, 9381..9428		

Seq. No.	42974	Seq. ID	OJ000450_17.0411.C3
Gene No.	89841	Strand	-
Start	9181	End	9615
Name	OJ000450_17.0411.C3.o1.ts	Method	TBLASTX:Soybean
Start	7077	End	7390
GI	none	Score	79
Exons	7077..7184, 7077..7184, 7079..7222, 7096..7185, 7282..7389, 7297..7389, 7304..7390		

Seq. No.	42974	Seq. ID	OJ000450_17.0411.C3
Gene No.	89841	Strand	-
Start	9181	End	9615
Name	OJ000450_17.0411.C3.o3.tm	Method	TBLASTX:Maize
Start	7285	End	7407
GI	none	Score	147
Exons	7285..7407, 7286..7405		

Seq. No.	42974	Seq. ID	OJ000450_17.0411.C3
Gene No.	89841	Strand	-
Start	9181	End	9615
Name	OJ000450_17.0411.C3.o6.gp	Method	AAT/GAP
Start	9181	End	9615
GI	none	Score	830
Exons	9181..9615		

Seq. No.	42975	Seq. ID	OJ000450_11.0410.C4
Gene No.	89842	Strand	-
Start	61	End	708
Name	OJ000450_11.0410.C4.o1.np	Method	AAT/NAP
Start	61	End	708
GI	6016682	Score	101
Exons	61..287, 634..708		
GI Descrip.	(AC009991) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42976	Seq. ID	OJ000450_11.0410.C5
Gene No.	89843	Strand	+
Start	52	End	754
Name	OJ000450_11.0410.C5.o1.gs	Method	GENSCAN
Start	52	End	740
GI	none	Score	.96
Exons	52..108, 576..740		

Seq. No.	42976	Seq. ID	OJ000450_11.0410.C5
Gene No.	89843	Strand	+
Start	52	End	754
Name	OJ000450_11.0410.C5.o1.tm	Method	TBLASTX:Maize
Start	567	End	754
GI	none	Score	36
Exons	567..602, 584..754, 603..746		

Seq. No.	42977	Seq. ID	OJ000450_11.0410.C6
Gene No.	89844	Strand	+
Start	1	End	4963
Name	OJ000450_11.0410.C6.o1.gp	Method	AAT/GAP
Start	1	End	1569
GI	76997_1.R1084	Score	1516

Exons	1..32, 226..345, 514..806, 1197..1569		
GI Descrip.	'4587558/gb\|AAD25789.1\|AC006577_25 6.0e-43 (AC006577) Contains similarity to gb_U45880 X-linked inhibitor of apotosis protein from Homo sapiens and contains PF_00097 Zinc finger C3HC4 (Ring finger) domain. [Arabidopsis thaliana]'		
Seq. No.	42977	Seq. ID	OJ000450_11.0410.C6
Gene No.	89844	Strand	+
Start	1	End	4963
Name	OJ000450_11.0410.C6.o1.np	Method	AAT/NAP
Start	1	End	802
GI	4587558	Score	277
Exons	1..32, 226..345, 514..802		
GI Descrip.	(AC006577) Contains similarity to gb\|U45880 X-linked inhibitor of apotosis protein from Homo sapiens and contains PF\|00097 Zinc finger C3HC4 (Ring finger) domain. [Arabidopsis thaliana]		
Seq. No.	42977	Seq. ID	OJ000450_11.0410.C6
Gene No.	89844	Strand	+
Start	1	End	4963
Name	OJ000450_11.0410.C6.o1.gs	Method	GENSCAN
Start	226	End	4893
GI	none	Score	.8
Exons	226..345, 514..620, 1529..1619, 2261..2376, 2660..2743, 2826..2851, 2857..3309, 4012..4893		
Seq. No.	42977	Seq. ID	OJ000450_11.0410.C6
Gene No.	89844	Strand	+
Start	1	End	4963
Name	OJ000450_11.0410.C6.o2.ts	Method	TBLASTX:Soybean
Start	608	End	805
GI	none	Score	229
Exons	608..805, 643..804		
Seq. No.	42977	Seq. ID	OJ000450_11.0410.C6
Gene No.	89844	Strand	+
Start	1	End	4963
Name	OJ000450_11.0410.C6.o3.tw	Method	TBLASTX:Wheat
Start	636	End	811
GI	none	Score	134
Exons	636..770, 638..811, 643..798		
Seq. No.	42977	Seq. ID	OJ000450_11.0410.C6
Gene No.	89844	Strand	+
Start	1	End	4963
Name	OJ000450_11.0410.C6.o2.tm	Method	TBLASTX:Maize
Start	2808	End	4221
GI	none	Score	165
Exons	2808..3287, 2828..3031, 2845..3315, 2847..3308, 2848..3312, 3977..4219, 4009..4221, 4011..4220		
Seq. No.	42977	Seq. ID	OJ000450_11.0410.C6
Gene No.	89844	Strand	+
Start	1	End	4963
Name	OJ000450_11.0410.C6.o2.gp	Method	AAT/GAP
Start	2824	End	4963
GI	168_1.R1084	Score	2782

Exons	2824..3309, 4012..4963		
GI Descrip.	'2662341/dbj\|BAA23657\| 0.0e+00 (D63580) EF-1 alpha [Oryza sativa] >gi_2662345_dbj_BAA23659_ (D63582) EF-1 alpha [Oryza sativa] >gi_2662347_dbj_BAA23660_ (D63583) EF-1 alpha [Oryza sativa]'		
Seq. No.	42977	Seq. ID	OJ000450_11.0410.C6
Gene No.	89844	Strand	+
Start	1	End	4963
Name	OJ000450_11.0410.C6.o1.tc	Method	TBLASTX:Cress
Start	2840	End	4913
GI	none	Score	132
Exons	2840..3031, 2842..3312, 2847..3287, 2848..3315, 3191..3316, 4009..4857, 4009..4851, 4269..4886, 4539..4913		
Seq. No.	42977	Seq. ID	OJ000450_11.0410.C6
Gene No.	89844	Strand	+
Start	1	End	4963
Name	OJ000450_11.0410.C6.o2.tw	Method	TBLASTX:Wheat
Start	2841	End	4138
GI	none	Score	667
Exons	2841..3308, 2841..3287, 2842..3312, 3107..3307, 3989..4138, 4009..4137		
Seq. No.	42977	Seq. ID	OJ000450_11.0410.C6
Gene No.	89844	Strand	+
Start	1	End	4963
Name	OJ000450_11.0410.C6.o1.ts	Method	TBLASTX:Soybean
Start	2844	End	4897
GI	none	Score	90
Exons	2844..2921, 2848..2922, 2901..2969, 2902..2970, 2959..3006, 2970..3020, 2976..3077, 3007..3063, 3054..3299, 3063..3287, 3064..3312, 3107..3307, 4002..4217, 4009..4383, 4009..4482, 4375..4551, 4380..4550, 4384..4551, 4549..4848, 4551..4892, 4552..4857, 4859..4897		
Seq. No.	42977	Seq. ID	OJ000450_11.0410.C6
Gene No.	89844	Strand	+
Start	1	End	4963
Name	OJ000450_11.0410.C6.o2.np	Method	AAT/NAP
Start	2848	End	4890
GI	2662341	Score	2292
Exons	2848..3309, 4012..4890		
GI Descrip.	(D63580) EF-1 alpha [Oryza sativa] gi\|2662345\|dbj\|BAA23659.1\| (D63582) EF-1 alpha [Oryza sativa] gi\|2662347\|dbj\|BAA23660.1\| (D63583) EF-1 alpha [Oryza sativa]		
Seq. No.	42977	Seq. ID	OJ000450_11.0410.C6
Gene No.	89844	Strand	+
Start	1	End	4963
Name	OJ000450_11.0410.C6.o1.tw	Method	TBLASTX:Wheat
Start	4139	End	4859
GI	none	Score	1166
Exons	4139..4432, 4150..4857, 4150..4710, 4152..4859		
Seq. No.	42977	Seq. ID	OJ000450_11.0410.C6
Gene No.	89844	Strand	+

Start	1	End	4963
Name	OJ000450_11.0410.C6.o1.tm	Method	TBLASTX:Maize
Start	4231	End	4913
GI	none	Score	1005
Exons	4231..4857, 4240..4851, 4269..4901, 4542..4913		

Seq. No.	42978	Seq. ID	OJ000450_11.0410.C7
Gene No.	89845	Strand	+
Start	3169	End	5472
Name	OJ000450_11.0410.C7.o1.gp	Method	AAT/GAP
Start	2435	End	5472
GI	168_3.R1084	Score	3468
Exons	2435..2487, 3147..3630, 4223..5472		
GI Descrip.	'2662341/dbj\|BAA23657\| 0.0e+00 (D63580) EF-1 alpha [Oryza sativa] >gi_2662345_dbj_BAA23659_ (D63582) EF-1 alpha [Oryza sativa] >gi_2662347_dbj_BAA23660_ (D63583) EF-1 alpha [Oryza sativa]'		

Seq. No.	42978	Seq. ID	OJ000450_11.0410.C7
Gene No.	89845	Strand	+
Start	3169	End	5472
Name	OJ000450_11.0410.C7.o1.np	Method	AAT/NAP
Start	3169	End	5101
GI	2662341	Score	2296
Exons	3169..3630, 4223..5101		
GI Descrip.	(D63580) EF-1 alpha [Oryza sativa] gi\|2662345\|dbj\|BAA23659.1\| (D63582) EF-1 alpha [Oryza sativa] gi\|2662347\|dbj\|BAA23660.1\| (D63583) EF-1 alpha [Oryza sativa]		

Seq. No.	42978	Seq. ID	OJ000450_11.0410.C7
Gene No.	89845	Strand	+
Start	3169	End	5472
Name	OJ000450_11.0410.C7.o2.gs	Method	GENSCAN
Start	3169	End	5104
GI	none	Score	1
Exons	3169..3630, 4223..5104		

Seq. No.	42978	Seq. ID	OJ000450_11.0410.C7
Gene No.	89846	Strand	+
Start	7379	End	10686
Name	OJ000450_11.0410.C7.o2.np	Method	AAT/NAP
Start	7379	End	10686
GI	5852172	Score	86
Exons	7379..7495, 10552..10686		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	42978	Seq. ID	OJ000450_11.0410.C7
Gene No.	89847	Strand	+
Start	13834	End	15199
Name	OJ000450_11.0410.C7.o2.tm	Method	TBLASTX:Maize
Start	3152	End	15114
GI	none	Score	561
Exons	3152..3301, 3153..3629, 3168..3629, 3169..3633, 3187..3636, 4220..4432, 4222..4431, 13814..14068, 13817..14293, 13833..14294, 13833..14294, 13834..14298, 14889..15113, 14902..15114, 14903..15112, 14904..15113		

Seq. No.	42978	Seq. ID	OJ000450_11.0410.C7
Gene No.	89847	Strand	+
Start	13834	End	15199
Name	OJ000450_11.0410.C7.o2.tw	Method	TBLASTX:Wheat
Start	3162	End	15031
GI	none	Score	815
Exons	3162..3629, 3163..3633, 3187..3636, 4200..4349, 4220..4348, 13827..14294, 13827..14294, 13828..14298, 14902..15030, 14903..15031		

Seq. No.	42978	Seq. ID	OJ000450_11.0410.C7
Gene No.	89847	Strand	+
Start	13834	End	15199
Name	OJ000450_11.0410.C7.o1.tc	Method	TBLASTX:Cress
Start	3163	End	15199
GI	none	Score	805
Exons	3163..3633, 3168..3629, 3184..3636, 3512..3637, 4220..5068, 4220..5062, 4480..5097, 4744..5097, 13817..14293, 13828..14298, 13833..14294, 13834..14301, 14177..14302, 14902..15198, 14903..15199		

Seq. No.	42978	Seq. ID	OJ000450_11.0410.C7
Gene No.	89847	Strand	+
Start	13834	End	15199
Name	OJ000450_11.0410.C7.o1.ts	Method	TBLASTX:Soybean
Start	3165	End	15199
GI	none	Score	90
Exons	3165..3242, 3169..3243, 3222..3290, 3223..3291, 3280..3327, 3297..3398, 3328..3384, 3375..3620, 3384..3629, 3385..3633, 4213..4428, 4220..4594, 4220..4693, 4586..4762, 4591..4761, 4595..4762, 4761..5000, 4762..5103, 4763..5068, 5070..5108, 13830..13907, 13834..13908, 13887..13955, 13888..13956, 13945..13992, 13962..14063, 13993..14049, 14040..14285, 14049..14294, 14050..14298, 14889..15110, 14902..15198, 14902..15198, 14903..15199, 15089..15199		

Seq. No.	42978	Seq. ID	OJ000450_11.0410.C7
Gene No.	89847	Strand	+
Start	13834	End	15199
Name	OJ000450_11.0410.C7.o1.tw	Method	TBLASTX:Wheat
Start	4350	End	15198
GI	none	Score	1166
Exons	4350..5015, 4361..5068, 4363..5070, 15032..15196, 15043..15198, 15043..15198		

Seq. No.	42978	Seq. ID	OJ000450_11.0410.C7
Gene No.	89847	Strand	+
Start	13834	End	15199
Name	OJ000450_11.0410.C7.o1.tm	Method	TBLASTX:Maize
Start	4442	End	15198
GI	none	Score	1005
Exons	4442..5068, 4451..5062, 4480..5124, 4744..5124, 15124..15198, 15134..15190		

Seq. No.	42978	Seq. ID	OJ000450_11.0410.C7
Gene No.	89847	Strand	+
Start	13834	End	15199

Name	OJ000450_11.0410.C7.o2.gp	Method	AAT/GAP
Start	13810	End	15199
GI	168_1.R1084	Score	1490
Exons	13810..14295, 14905..15199		
GI Descrip.	'2662341/dbj\|BAA23657\| 0.0e+00 (D63580) EF-1 alpha [Oryza sativa] >gi_2662345_dbj_BAA23659_ (D63582) EF-1 alpha [Oryza sativa] >gi_2662347_dbj_BAA23660_ (D63583) EF-1 alpha [Oryza sativa]'		

Seq. No.	42978	Seq. ID	OJ000450_11.0410.C7
Gene No.	89847	Strand	+
Start	13834	End	15199
Name	OJ000450_11.0410.C7.o3.np	Method	AAT/NAP
Start	13834	End	15199
GI	2662341	Score	1296
Exons	13834..14295, 14905..15199		
GI Descrip.	(D63580) EF-1 alpha [Oryza sativa] gi\|2662345\|dbj\|BAA23659.1\| (D63582) EF-1 alpha [Oryza sativa] gi\|2662347\|dbj\|BAA23660.1\| (D63583) EF-1 alpha [Oryza sativa]		

Seq. No.	42978	Seq. ID	OJ000450_11.0410.C7
Gene No.	89847	Strand	+
Start	13834	End	15199
Name	OJ000450_11.0410.C7.o4.gs	Method	GENSCAN
Start	13834	End	15178
GI	none	Score	.98
Exons	13834..14295, 14905..15178		

Seq. No.	42979	Seq. ID	OJ000450_11.0410.C8
Gene No.	89848	Strand	+
Start	1	End	2570
Name	OJ000450_11.0410.C8.o1.np	Method	AAT/NAP
Start	1	End	324
GI	2662343	Score	553
Exons	1..324		
GI Descrip.	(D63581) EF-1 alpha [Oryza sativa]		

Seq. No.	42979	Seq. ID	OJ000450_11.0410.C8
Gene No.	89848	Strand	+
Start	1	End	2570
Name	OJ000450_11.0410.C8.o1.gs	Method	GENSCAN
Start	61	End	2570
GI	none	Score	.97
Exons	61..323, 1140..1318, 2380..2570		

Seq. No.	42979	Seq. ID	OJ000450_11.0410.C8
Gene No.	89848	Strand	+
Start	1	End	2570
Name	OJ000450_11.0410.C8.o1.gp	Method	AAT/GAP
Start	112	End	675
GI	168_5.R1084	Score	818
Exons	112..675		
GI Descrip.	'6015059/sp\|O64937\|EF1A_ORYSA 5.0e-23 ELONGATION FACTOR 1-ALPHA (EF-1-ALPHA) >gi_2996096 (AF030517) translation elongation factor-1 alpha; EF-1 alpha [Oryza sativa]'		

Seq. No.	42979	Seq. ID	OJ000450_11.0410.C8

Gene No.	89848	Strand	+
Start	1	End	2570
Name	OJ000450_11.0410.C8.o3.gp	Method	AAT/GAP
Start	115	End	605
GI	168_12.R1084	Score	630
Exons	115..348, 391..605		
GI Descrip.	'2662343/dbj\|BAA23658\| 7.0e-20 (D63581) EF-1 alpha [Oryza sativa]'		

Seq. No.	42979	Seq. ID	OJ000450_11.0410.C8
Gene No.	89849	Strand	+
Start	4565	End	4641
Name	OJ000450_11.0410.C8.o2.np	Method	AAT/NAP
Start	4565	End	4641
GI	232028	Score	115
Exons	4565..4641		
GI Descrip.	ELONGATION FACTOR 1-ALPHA (EF-1-ALPHA) gi\|479833\|pir\|\|S35513 translation elongation factor eEF-1 alpha chain - silkworm gi\|217274\|dbj\|BAA02601.1\| (D13338) elongation factor 1 alpha [Bombyx mori]		

Seq. No.	42979	Seq. ID	OJ000450_11.0410.C8
Gene No.	89850	Strand	-
Start	1	End	556
Name	OJ000450_11.0410.C8.o2.gp	Method	AAT/GAP
Start	1	End	556
GI	168_1.R1084	Score	966
Exons	1..556		
GI Descrip.	'2662341/dbj\|BAA23657\| 0.0e+00 (D63580) EF-1 alpha [Oryza sativa] >gi_2662345_dbj_BAA23659_ (D63582) EF-1 alpha [Oryza sativa] >gi_2662347_dbj_BAA23660_ (D63583) EF-1 alpha [Oryza sativa]'		

Seq. No.	42979	Seq. ID	OJ000450_11.0410.C8
Gene No.	89851	Strand	-
Start	3281	End	4641
Name	OJ000450_11.0410.C8.o1.tc	Method	TBLASTX:Cress
Start	1	End	320
GI	none	Score	480
Exons	1..291, 1..291, 3..320, 3..320		

Seq. No.	42979	Seq. ID	OJ000450_11.0410.C8
Gene No.	89851	Strand	-
Start	3281	End	4641
Name	OJ000450_11.0410.C8.o1.tw	Method	TBLASTX:Wheat
Start	1	End	850
GI	none	Score	472
Exons	1..291, 1..288, 3..293, 749..850		

Seq. No.	42979	Seq. ID	OJ000450_11.0410.C8
Gene No.	89851	Strand	-
Start	3281	End	4641
Name	OJ000450_11.0410.C8.o1.ts	Method	TBLASTX:Soybean
Start	1	End	331
GI	none	Score	489
Exons	1..291, 2..220, 3..326, 15..329, 293..331		

Seq. No.	42979	Seq. ID	OJ000450_11.0410.C8
Gene No.	89851	Strand	-
Start	3281	End	4641
Name	OJ000450_11.0410.C8.o1.tm	Method	TBLASTX:Maize
Start	1	End	335
GI	none	Score	476
Exons	1..291, 1..285, 3..335		

Seq. No.	42979	Seq. ID	OJ000450_11.0410.C8
Gene No.	89851	Strand	-
Start	3281	End	4641
Name	OJ000450_11.0410.C8.o2.gs	Method	GENSCAN
Start	3281	End	4641
GI	none	Score	.93
Exons	3281..3506, 4586..4641		

Seq. No.	42979	Seq. ID	OJ000450_11.0410.C8
Gene No.	89851	Strand	-
Start	3281	End	4641
Name	OJ000450_11.0410.C8.o4.gp	Method	AAT/GAP
Start	4541	End	4641
GI	428734	Score	162
Exons	4541..4641		
GI Descrip.	2662343/dbj\|BAA23658\| 7.0e-20 (D63581) EF-1 alpha [Oryza sativa]		

Seq. No.	42980	Seq. ID	OJ000450_11.0410.C9
Gene No.	89852	Strand	+
Start	1	End	791
Name	OJ000450_11.0410.C9.o1.gp	Method	AAT/GAP
Start	1	End	791
GI	168_1.R1084	Score	1434
Exons	1..791		
GI Descrip.	'2662341/dbj\|BAA23657\| 0.0e+00 (D63580) EF-1 alpha [Oryza sativa] >gi_2662345_dbj_BAA23659_ (D63582) EF-1 alpha [Oryza sativa] >gi_2662347_dbj_BAA23660_ (D63583) EF-1 alpha [Oryza sativa]'		

Seq. No.	42980	Seq. ID	OJ000450_11.0410.C9
Gene No.	89852	Strand	+
Start	1	End	791
Name	OJ000450_11.0410.C9.o1.np	Method	AAT/NAP
Start	1	End	556
GI	2662341	Score	931
Exons	1..556		
GI Descrip.	(D63580) EF-1 alpha [Oryza sativa] gi\|2662345\|dbj\|BAA23659.1\| (D63582) EF-1 alpha [Oryza sativa] gi\|2662347\|dbj\|BAA23660.1\| (D63583) EF-1 alpha [Oryza sativa]		

Seq. No.	42980	Seq. ID	OJ000450_11.0410.C9
Gene No.	89852	Strand	+
Start	1	End	791
Name	OJ000450_11.0410.C9.o1.gs	Method	GENSCAN
Start	5	End	559
GI	none	Score	.93
Exons	5..559		

Seq. No.	42980	Seq. ID	OJ000450_11.0410.C9

Gene No.	89853	Strand	+
Start	994	End	1592
Name	OJ000450_11.0410.C9.o2.gp	Method	AAT/GAP
Start	994	End	1592
GI	none	Score	1178
Exons	994..1592		

Seq. No.	42980	Seq. ID	OJ000450_11.0410.C9
Gene No.	89854	Strand	-
Start	1341	End	3657
Name	OJ000450_11.0410.C9.o1.tc	Method	TBLASTX:Cress
Start	1	End	552
GI	none	Score	113
Exons	1..138, 1..552, 2..523, 199..552		

Seq. No.	42980	Seq. ID	OJ000450_11.0410.C9
Gene No.	89854	Strand	-
Start	1341	End	3657
Name	OJ000450_11.0410.C9.o1.tw	Method	TBLASTX:Wheat
Start	1	End	525
GI	none	Score	846
Exons	1..525, 2..523		

Seq. No.	42980	Seq. ID	OJ000450_11.0410.C9
Gene No.	89854	Strand	-
Start	1341	End	3657
Name	OJ000450_11.0410.C9.o1.tm	Method	TBLASTX:Maize
Start	1	End	579
GI	none	Score	845
Exons	1..567, 2..523, 199..579		

Seq. No.	42980	Seq. ID	OJ000450_11.0410.C9
Gene No.	89854	Strand	-
Start	1341	End	3657
Name	OJ000450_11.0410.C9.o1.ts	Method	TBLASTX:Soybean
Start	1	End	558
GI	none	Score	72
Exons	1..48, 2..49, 41..217, 46..216, 50..217, 216..455, 217..558, 218..523		

Seq. No.	42980	Seq. ID	OJ000450_11.0410.C9
Gene No.	89854	Strand	-
Start	1341	End	3657
Name	OJ000450_11.0410.C9.o2.np	Method	AAT/NAP
Start	921	End	3657
GI	3549654	Score	491
Exons	921..989, 1430..1515, 1637..1787, 1872..2003, 2231..2405, 2737..2852, 2890..3188, 3285..3364, 3585..3657		
GI Descrip.	(AL031394) metal-transporting P-type ATPase (fragment) [Arabidopsis thaliana]		

Seq. No.	42980	Seq. ID	OJ000450_11.0410.C9
Gene No.	89854	Strand	-
Start	1341	End	3657
Name	OJ000450_11.0410.C9.o2.gs	Method	GENSCAN
Start	1341	End	3364
GI	none	Score	.98

Exons	1341..1478, 1872..2003, 2231..2405, 2737..3188, 3285..3364		
Seq. No.	42980	Seq. ID	OJ000450_11.0410.C9
Gene No.	89854	Strand	-
Start	1341	End	3657
Name	OJ000450_11.0410.C9.o2.tm	Method	TBLASTX:Maize
Start	1394	End	2408
GI	none	Score	162
Exons	1394..1516, 1395..1526, 1401..1517, 1635..1787, 1636..1791, 1644..1802, 1869..2048, 1871..2023, 2223..2408, 2228..2407, 2229..2408		
Seq. No.	42980	Seq. ID	OJ000450_11.0410.C9
Gene No.	89854	Strand	-
Start	1341	End	3657
Name	OJ000450_11.0410.C9.o2.tc	Method	TBLASTX:Cress
Start	1431	End	1727
GI	none	Score	79
Exons	1431..1517, 1448..1516, 1635..1727, 1636..1725		
Seq. No.	42980	Seq. ID	OJ000450_11.0410.C9
Gene No.	89854	Strand	-
Start	1341	End	3657
Name	OJ000450_11.0410.C9.o3.ts	Method	TBLASTX:Soybean
Start	1692	End	2013
GI	none	Score	58
Exons	1692..1760, 1692..1787, 1693..1788, 1869..2012, 1911..2012, 1948..2013		
Seq. No.	42980	Seq. ID	OJ000450_11.0410.C9
Gene No.	89854	Strand	-
Start	1341	End	3657
Name	OJ000450_11.0410.C9.o3.tc	Method	TBLASTX:Cress
Start	1944	End	3652
GI	none	Score	69
Exons	1944..2012, 1945..2013, 2228..2416, 2889..3002, 3048..3134, 3147..3188, 3154..3189, 3276..3416, 3277..3369, 3583..3651, 3584..3652		
Seq. No.	42980	Seq. ID	OJ000450_11.0410.C9
Gene No.	89854	Strand	-
Start	1341	End	3657
Name	OJ000450_11.0410.C9.o4.ts	Method	TBLASTX:Soybean
Start	2223	End	2994
GI	none	Score	123
Exons	2223..2414, 2228..2413, 2736..2993, 2833..2994		
Seq. No.	42980	Seq. ID	OJ000450_11.0410.C9
Gene No.	89854	Strand	-
Start	1341	End	3657
Name	OJ000450_11.0410.C9.o3.tm	Method	TBLASTX:Maize
Start	2901	End	3188
GI	none	Score	326
Exons	2901..3188, 2907..3188		
Seq. No.	42980	Seq. ID	OJ000450_11.0410.C9
Gene No.	89854	Strand	-

Start	1341	End	3657
Name	OJ000450_11.0410.C9.o2.ts	Method	TBLASTX:Soybean
Start	3045	End	3649
GI	none	Score	96
Exons	3045..3188, 3063..3191, 3276..3416, 3277..3369, 3583..3648, 3584..3649		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89855	Strand	+
Start	6343	End	7404
Name	OJ000450_11.0410.C10.o1.gp	Method	AAT/GAP
Start	6224	End	6786
GI	2798657	Score	811
Exons	6224..6507, 6606..6786		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89855	Strand	+
Start	6343	End	7404
Name	OJ000450_11.0410.C10.o2.gs	Method	GENSCAN
Start	6343	End	7404
GI	none	Score	.79
Exons	6343..6507, 6606..6829, 7140..7404		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89856	Strand	+
Start	23427	End	24480
Name	OJ000450_11.0410.C10.o4.np	Method	AAT/NAP
Start	23427	End	24480
GI	130582	Score	551
Exons	23427..24480		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi\|100342\|pir\|\|S04273 hypothetical protein - common tobacco gi\|20045\|emb\|CAA32025\| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89857	Strand	+
Start	27250	End	41962
Name	OJ000450_11.0410.C10.o8.gs	Method	GENSCAN
Start	27250	End	41962
GI	none	Score	.56
Exons	27250..27307, 27365..27705, 28296..28553, 30186..30291, 30349..30442, 30750..30835, 31160..31216, 31749..31906, 32874..32943, 33009..33166, 33753..33854, 34002..34030, 34300..34879, 35545..35709, 37971..38018, 38162..38453, 38455..39443, 40720..40855, 41258..41574, 41579..41962		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89857	Strand	+
Start	27250	End	41962
Name	OJ000450_11.0410.C10.o5.np	Method	AAT/NAP
Start	27436	End	33799
GI	6382502	Score	2289
Exons	27436..27759, 28289..28532, 28907..29051, 29582..29762, 29941..30079, 30186..30442, 30750..30857, 30924..31064, 31168..31325, 31749..31906, 32038..32361, 32465..32538, 32874..33166, 33653..33799		

GI Descrip. (AC010704) hypothetical protein [Arabidopsis thaliana]

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89857	Strand	+
Start	27250	End	41962
Name	OJ000450_11.0410.C10.o5.gp	Method	AAT/GAP
Start	31197	End	32118
GI	2309947	Score	663
Exons	31197..31325, 31749..31906, 32038..32118		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89857	Strand	+
Start	27250	End	41962
Name	OJ000450_11.0410.C10.o6.np	Method	AAT/NAP
Start	34250	End	34909
GI	5091538	Score	490
Exons	34250..34909		

GI Descrip. (AC007067) T10O24.7 [Arabidopsis thaliana] gi|5679328|gb|AAD46923.1|AF170550_1 (AF170550) germin-like protein 7 [Arabidopsis thaliana]

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89858	Strand	+
Start	49969	End	57306
Name	OJ000450_11.0410.C10.o6.gp	Method	AAT/GAP
Start	49969	End	51892
GI	53573_1.R1084	Score	1014
Exons	49969..50423, 51811..51892		

GI Descrip. '4006829/gb|AAC95171.1| 3.0e-42 (AC005970) putative protein kinase [Arabidopsis thaliana]'

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89858	Strand	+
Start	49969	End	57306
Name	OJ000450_11.0410.C10.o7.np	Method	AAT/NAP
Start	49992	End	57306
GI	4006829	Score	1107
Exons	49992..50423, 51811..51946, 53159..53295, 54290..54413, 54892..55277, 56281..56341, 57166..57306		

GI Descrip. (AC005970) putative protein kinase [Arabidopsis thaliana]

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89859	Strand	+
Start	60185	End	70233
Name	OJ000450_11.0410.C10.o8.np	Method	AAT/NAP
Start	60185	End	69655
GI	7433167	Score	2765
Exons	60185..60218, 61358..61564, 64162..64297, 65143..65429, 66120..66357, 67254..67577, 67695..67780, 67905..68012, 68096..68400, 68514..68780, 68890..69655		

GI Descrip. probable lipoxygenase (EC 1.13.11.12) (clone H3) - potato gi|1495804|emb|CAA65269.1| (X96406) 13-lipoxygenase [Solanum tuberosum]

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89859	Strand	+
Start	60185	End	70233

Name OJ000450_11.0410.C10.o12.gs Method GENSCAN
Start 61829 End 70233
GI none Score .74
Exons 61829..61875, 62622..62718, 63771..63846, 63848..64297, 65143..65429, 66120..66357, 67407..67577, 67695..67780, 67905..68012, 68096..68400, 68514..68741, 68890..69619, 69796..70020, 70141..70233

Seq. No. 42981 Seq. ID OJ000450_11.0410.C10
Gene No. 89859 Strand +
Start 60185 End 70233
Name OJ000450_11.0410.C10.o8.gp Method AAT/GAP
Start 63740 End 64079
GI none Score 680
Exons 63740..64079

Seq. No. 42981 Seq. ID OJ000450_11.0410.C10
Gene No. 89859 Strand +
Start 60185 End 70233
Name OJ000450_11.0410.C10.o9.gp Method AAT/GAP
Start 67957 End 68618
GI LIB3431-020-P1-K1-F4 Score 864
Exons 67957..68012, 68096..68400, 68514..68618
GI Descrip. '6002055/emb|CAB56692.1| 3.0e-66 (AJ249794) lipoxygenase [Arabidopsis thaliana]'

Seq. No. 42981 Seq. ID OJ000450_11.0410.C10
Gene No. 89859 Strand +
Start 60185 End 70233
Name OJ000450_11.0410.C10.o10.gp Method AAT/GAP
Start 68718 End 69742
GI 3400_1.R1084 Score 1764
Exons 68718..68779, 68890..69742
GI Descrip. '6002055/emb|CAB56692.1| 5.0e-87 (AJ249794) lipoxygenase [Arabidopsis thaliana]'

Seq. No. 42981 Seq. ID OJ000450_11.0410.C10
Gene No. 89860 Strand -
Start 1 End 19248
Name OJ000450_11.0410.C10.o1.np Method AAT/NAP
Start 1 End 12737
GI 3549654 Score 353
Exons 1..65, 438..545, 1037..1177, 1416..1499, 1748..1786, 1860..1972, 2594..2671, 2858..3304, 12608..12737
GI Descrip. (AL031394) metal-transporting P-type ATPase (fragment) [Arabidopsis thaliana]

Seq. No. 42981 Seq. ID OJ000450_11.0410.C10
Gene No. 89860 Strand -
Start 1 End 19248
Name OJ000450_11.0410.C10.o1.gs Method GENSCAN
Start 435 End 3978
GI none Score .86
Exons 435..545, 1037..1183, 1356..1385, 1413..1499, 1748..1801, 1875..2014, 2594..2704, 2840..3334, 3389..3529, 3927..3978

Seq. No. 42981 Seq. ID OJ000450_11.0410.C10

Gene No.	89860	Strand	-
Start	1	End	19248
Name	OJ000450_11.0410.C10.o3.gs	Method	GENSCAN
Start	7908	End	9093
GI	none	Score	.99
Exons	7908..8046, 8121..8281, 8440..9093		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89860	Strand	-
Start	1	End	19248
Name	OJ000450_11.0410.C10.o4.gs	Method	GENSCAN
Start	10166	End	19243
GI	none	Score	.49
Exons	10166..10316, 10410..10477, 10568..10660, 12338..13090, 13232..13321, 13881..13956, 14081..14148, 14949..15044, 16588..16663, 17193..17386, 18530..19243		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89860	Strand	-
Start	1	End	19248
Name	OJ000450_11.0410.C10.o2.gp	Method	AAT/GAP
Start	10257	End	12480
GI	2431298	Score	625
Exons	10257..10316, 10410..10477, 10568..10660, 12338..12480		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89860	Strand	-
Start	1	End	19248
Name	OJ000450_11.0410.C10.o3.gp	Method	AAT/GAP
Start	12687	End	13048
GI	none	Score	676
Exons	12687..13048		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89860	Strand	-
Start	1	End	19248
Name	OJ000450_11.0410.C10.o4.gp	Method	AAT/GAP
Start	18943	End	19248
GI	2427536	Score	538
Exons	18943..19248		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89861	Strand	-
Start	25365	End	26998
Name	OJ000450_11.0410.C10.o7.gs	Method	GENSCAN
Start	25365	End	26998
GI	none	Score	.87
Exons	25365..25453, 25681..26764, 26864..26998		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89862	Strand	-
Start	42138	End	42699
Name	OJ000450_11.0410.C10.o9.gs	Method	GENSCAN
Start	42138	End	42699
GI	none	Score	.96
Exons	42138..42307, 42522..42699		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89863	Strand	-
Start	55144	End	55619
Name	OJ000450_11.0410.C10.o7.gp	Method	AAT/GAP
Start	55144	End	55619
GI	none	Score	936
Exons	55144..55619		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89864	Strand	-
Start	58230	End	59054
Name	OJ000450_11.0410.C10.o11.gs	Method	GENSCAN
Start	58230	End	59054
GI	none	Score	.79
Exons	58230..58361, 58475..58717, 58821..59054		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o5.ts	Method	TBLASTX:Soybean
Start	2856	End	3227
GI	none	Score	87
Exons	2856..2984, 2857..2985, 2881..2994, 3033..3104, 3087..3227		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o11.ts	Method	TBLASTX:Soybean
Start	6725	End	7383
GI	none	Score	142
Exons	6725..6880, 6738..6836, 7137..7253, 7137..7253, 7138..7254, 7321..7383		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o14.tm	Method	TBLASTX:Maize
Start	7137	End	7397
GI	none	Score	136
Exons	7137..7253, 7137..7253, 7138..7254, 7297..7383, 7326..7397, 7338..7391		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o11.tm	Method	TBLASTX:Maize
Start	7930	End	14151
GI	none	Score	94
Exons	7930..8037, 7932..8024, 7933..8028, 7935..8042, 8119..8196, 8120..8230, 8127..8234, 10166..10312, 10166..10330, 10167..10319, 10395..10478, 10408..10485, 10409..10483, 10409..10507, 10554..10613, 10564..10614, 10568..10612, 13845..13958, 14080..14151		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893

Name	OJ000450_11.0410.C10.o10.ts	Method	TBLASTX:Soybean
Start	8497	End	18959
GI	none	Score	80
Exons	8497..8556, 8674..8706, 8821..8892, 12572..12628, 12740..12802, 18533..18631, 18746..18901, 18747..18902, 18888..18959, 18890..18958		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o2.tm	Method	TBLASTX:Maize
Start	8581	End	19108
GI	none	Score	81
Exons	8581..8706, 8821..8982, 8822..8920, 12335..12382, 12342..12383, 12380..12457, 12479..12625, 12495..12626, 12699..12827, 12740..12916, 18526..18609, 18527..18631, 18527..19060, 18681..19061, 19061..19108		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o5.tw	Method	TBLASTX:Wheat
Start	12503	End	50399
GI	none	Score	48
Exons	12503..12568, 12551..12598, 50181..50399, 50187..50396		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o4.tm	Method	TBLASTX:Maize
Start	23013	End	69658
GI	none	Score	92
Exons	23013..23123, 67295..67390, 67423..67452, 68927..69235, 68932..69231, 69296..69430, 69373..69657, 69455..69658		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o5.tm	Method	TBLASTX:Maize
Start	27343	End	28999
GI	none	Score	45
Exons	27343..27402, 27346..27399, 27351..27452, 27403..27708, 27420..27704, 27439..27705, 28292..28399, 28293..28400, 28293..28397, 28294..28419, 28374..28478, 28374..28460, 28440..28553, 28458..28553, 28459..28554, 28891..28998, 28906..28998, 28907..28999		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o12.ts	Method	TBLASTX:Soybean
Start	27406	End	27603
GI	none	Score	192
Exons	27406..27603, 27456..27596		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-

Start	70763	End	72893
Name	OJ000450_11.0410.C10.o7.ts	Method	TBLASTX:Soybean
Start	30949	End	31333
GI	none	Score	164
Exons	30949..31053, 30951..31055, 30969..31055, 31163..31333		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o3.tm	Method	TBLASTX:Maize
Start	31822	End	33062
GI	none	Score	154
Exons	31822..31905, 31823..31906, 31823..31906, 31825..31908, 31827..31937, 32035..32364, 32037..32363, 32451..32510, 32464..32511, 32465..32509, 32465..32524, 32497..32538, 32502..32537, 32506..32538, 32722..32766, 32856..32942, 32873..32941, 32875..32949, 33008..33061, 33008..33061, 33009..33062		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o4.ts	Method	TBLASTX:Soybean
Start	32163	End	32532
GI	none	Score	112
Exons	32163..32363, 32163..32363, 32164..32364, 32465..32506, 32500..32532		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o9.tm	Method	TBLASTX:Maize
Start	34478	End	34903
GI	none	Score	230
Exons	34478..34759, 34507..34761, 34748..34894, 34751..34903		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o2.tc	Method	TBLASTX:Cress
Start	34502	End	34909
GI	none	Score	392
Exons	34502..34909, 34510..34908		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o3.tw	Method	TBLASTX:Wheat
Start	34504	End	34882
GI	none	Score	213
Exons	34504..34722, 34505..34759, 34747..34857, 34748..34882		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o6.ts	Method	TBLASTX:Soybean
Start	34508	End	34903

GI	none	Score	206
Exons	34508..34759, 34510..34755, 34751..34903		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o2.ts	Method	TBLASTX:Soybean
Start	50148	End	55160
GI	none	Score	351
Exons	50148..50423, 50166..50423, 51811..51945, 53160..53297, 53161..53295, 54290..54415, 54349..54414, 54365..54424, 54882..55160, 54912..54947, 54977..55078		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o3.tc	Method	TBLASTX:Cress
Start	50214	End	55160
GI	none	Score	111
Exons	50214..50339, 50370..50423, 51814..51945, 51832..51942, 53173..53295, 53178..53294, 54290..54442, 54302..54415, 54355..54435, 54882..55160		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o15.tm	Method	TBLASTX:Maize
Start	50235	End	50423
GI	none	Score	195
Exons	50235..50423		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o13.tm	Method	TBLASTX:Maize
Start	51813	End	51956
GI	none	Score	233
Exons	51813..51854, 51814..51945, 51817..51954, 51822..51947, 51906..51956		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o8.tm	Method	TBLASTX:Maize
Start	53170	End	55160
GI	none	Score	163
Exons	53170..53295, 53175..53297, 53175..53291, 53176..53295, 54290..54415, 54349..54414, 54858..55160, 54894..55043, 54977..55156		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o2.tw	Method	TBLASTX:Wheat
Start	54290	End	55079
GI	none	Score	211
Exons	54290..54412, 54293..54442, 54312..54413, 54349..54414,		

54882..55079, 54891..55067

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o9.ts	Method	TBLASTX:Soybean
Start	58472	End	59036
GI	none	Score	44
Exons	58472..58549, 58473..58565, 58562..58717, 58577..58717, 58824..59006, 58831..58956, 58930..59034, 58932..59036		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o4.tc	Method	TBLASTX:Cress
Start	58616	End	59027
GI	none	Score	54
Exons	58616..58720, 58634..58720, 58821..58988, 58822..58983, 58989..59027		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o1.ts	Method	TBLASTX:Soybean
Start	64048	End	69654
GI	none	Score	34
Exons	64048..64107, 64090..64317, 64146..64301, 65144..65332, 65145..65333, 65336..65428, 65337..65429, 66117..66302, 66118..66306, 66120..66302, 66193..66303, 66203..66310, 66297..66365, 67243..67422, 67253..67480, 67253..67477, 67463..67600, 67495..67578, 67691..67783, 67904..68005, 67905..68012, 68075..68263, 68081..68308, 68095..68274, 68284..68400, 68285..68401, 68307..68408, 68494..68781, 68520..68780, 68548..68781, 68881..69027, 68882..69238, 68888..69088, 69049..69237, 69296..69430, 69331..69408, 69455..69652, 69463..69654		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o12.tm	Method	TBLASTX:Maize
Start	65130	End	65429
GI	none	Score	199
Exons	65130..65333, 65130..65297, 65141..65332, 65336..65428, 65337..65429		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o1.tc	Method	TBLASTX:Cress
Start	65169	End	69661
GI	none	Score	98
Exons	65169..65321, 65340..65429, 66219..66356, 67295..67471, 67697..67780, 67908..67967, 68078..68266, 68264..68401, 68494..68781, 68514..68804, 68882..69235, 68887..69234, 69308..69439, 69455..69661, 69463..69660		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o7.tm	Method	TBLASTX:Maize
Start	66189	End	66375
GI	none	Score	306
Exons	66189..66359, 66189..66353, 66193..66375		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o1.tm	Method	TBLASTX:Maize
Start	67467	End	68727
GI	none	Score	88
Exons	67467..67574, 67469..67600, 67498..67578, 67694..67750, 67695..67751, 67709..67759, 67891..67965, 67893..67958, 67903..67959, 67907..67960, 67958..68011, 67959..68012, 68095..68184, 68096..68185, 68101..68211, 68176..68205, 68206..68400, 68210..68401, 68299..68406, 68494..68727, 68514..68720		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o1.tw	Method	TBLASTX:Wheat
Start	68162	End	68733
GI	none	Score	107
Exons	68162..68263, 68333..68401, 68494..68733, 68514..68675		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o4.tw	Method	TBLASTX:Wheat
Start	68915	End	69220
GI	none	Score	171
Exons	68915..69103, 68915..69010, 69118..69219, 69122..69220		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o13.gs	Method	GENSCAN
Start	70763	End	72875
GI	none	Score	.42
Exons	70763..70782, 71269..72266, 72286..72460, 72473..72875		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o9.np	Method	AAT/NAP
Start	70967	End	72893
GI	4587554	Score	1903
Exons	70967..72893		
GI Descrip.	(AC006577) Similar to gb\|AJ005701 Na/Ca,K-exchanger from Caenorhabditis elegans. ESTs gb\|T04173 and gb\|AA585918 come from this gene. [Arabidopsis thaliana]		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10

Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o6.tm	Method	TBLASTX:Maize
Start	71004	End	71270
GI	none	Score	369
Exons	71004..71270, 71004..71264, 71005..71265, 71006..71269		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o8.ts	Method	TBLASTX:Soybean
Start	71207	End	71465
GI	none	Score	61
Exons	71207..71260, 71211..71261, 71255..71464, 71256..71465		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o10.tm	Method	TBLASTX:Maize
Start	71273	End	71578
GI	none	Score	140
Exons	71273..71578, 71274..71543		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o5.tc	Method	TBLASTX:Cress
Start	71669	End	72010
GI	none	Score	46
Exons	71669..71695, 71669..71884, 71679..71873, 71954..72010		

Seq. No.	42981	Seq. ID	OJ000450_11.0410.C10
Gene No.	89865	Strand	-
Start	70763	End	72893
Name	OJ000450_11.0410.C10.o3.ts	Method	TBLASTX:Soybean
Start	72342	End	72641
GI	none	Score	203
Exons	72342..72641, 72352..72633		

Seq. No.	42982	Seq. ID	OJ000450_11.0410.C11
Gene No.	89866	Strand	+
Start	2915	End	3407
Name	OJ000450_11.0410.C11.o1.gp	Method	AAT/GAP
Start	2915	End	3407
GI	none	Score	935
Exons	2915..3407		

Seq. No.	42982	Seq. ID	OJ000450_11.0410.C11
Gene No.	89867	Strand	+
Start	6668	End	9149
Name	OJ000450_11.0410.C11.o3.gp	Method	AAT/GAP
Start	6668	End	9149
GI	49278_1.R1084	Score	1118
Exons	6668..6767, 8668..9149		
GI Descrip.	'3075391 9.0e-12 (AC004484) unknown protein [Arabidopsis thaliana]'		

Seq. No.	42982	Seq. ID	OJ000450_11.0410.C11
Gene No.	89868	Strand	-
Start	2286	End	7229
Name	OJ000450_11.0410.C11.o1.np	Method	AAT/NAP
Start	2286	End	3945
GI	6453866	Score	116
Exons	2286..2319, 3501..3650, 3810..3945		
GI Descrip.	(AC011717) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42982	Seq. ID	OJ000450_11.0410.C11
Gene No.	89868	Strand	-
Start	2286	End	7229
Name	OJ000450_11.0410.C11.o2.gp	Method	AAT/GAP
Start	3534	End	3896
GI	none	Score	670
Exons	3534..3896		

Seq. No.	42982	Seq. ID	OJ000450_11.0410.C11
Gene No.	89868	Strand	-
Start	2286	End	7229
Name	OJ000450_11.0410.C11.o2.gs	Method	GENSCAN
Start	3665	End	7229
GI	none	Score	.53
Exons	3665..4054, 4928..5226, 5231..5427, 5997..6107, 6493..6721, 6916..7045, 7227..7229		

Seq. No.	42982	Seq. ID	OJ000450_11.0410.C11
Gene No.	89869	Strand	
Start	8690	End	9129
Name	OJ000450_11.0410.C11.o1.ts	Method	TBLASTX:Soybean
Start	8690	End	9066
GI	none	Score	37
Exons	8690..8722, 8727..8807, 8727..8807, 8737..8808, 8832..9062, 8836..9063, 8908..9066		

Seq. No.	42982	Seq. ID	OJ000450_11.0410.C11
Gene No.	89869	Strand	
Start	8690	End	9129
Name	OJ000450_11.0410.C11.o1.tm	Method	TBLASTX:Maize
Start	8713	End	9129
GI	none	Score	153
Exons	8713..8832, 8716..8847, 8821..9129, 8841..9128		

Seq. No.	42982	Seq. ID	OJ000450_11.0410.C11
Gene No.	89870	Strand	
Start	9129	End	9523
Name	OJ000450_11.0410.C11.o2.tm	Method	TBLASTX:Maize
Start	9129	End	9523
GI	none	Score	124
Exons	9129..9287, 9139..9303, 9153..9284, 9282..9314, 9283..9324, 9284..9313, 9388..9474, 9389..9523, 9401..9475		

Seq. No.	42983	Seq. ID	OJ000450_11.0410.C12
Gene No.	89871	Strand	+
Start	290	End	2760
Name	OJ000450_11.0410.C12.o1.gs	Method	GENSCAN
Start	290	End	2463

GI	none	Score	.82
Exons	290..516, 559..680, 772..842, 1408..1526, 2187..2463		

Seq. No.	42983	Seq. ID	OJ000450_11.0410.C12
Gene No.	89871	Strand	+
Start	290	End	2760
Name	OJ000450_11.0410.C12.o1.gp	Method	AAT/GAP
Start	435	End	2760
GI	15444_1.R1084	Score	1885
Exons	435..680, 772..842, 1408..1526, 2187..2760		
GI Descrip.	'3075391 7.0e-29 (AC004484) unknown protein [Arabidopsis thaliana]'		

Seq. No.	42983	Seq. ID	OJ000450_11.0410.C12
Gene No.	89871	Strand	+
Start	290	End	2760
Name	OJ000450_11.0410.C12.o1.np	Method	AAT/NAP
Start	472	End	2460
GI	3075391	Score	198
Exons	472..683, 772..842, 1408..1526, 2193..2460		
GI Descrip.	(AC004484) unknown protein [Arabidopsis thaliana]		

Seq. No.	42983	Seq. ID	OJ000450_11.0410.C12
Gene No.	89872	Strand	-
Start	2675	End	6269
Name	OJ000450_11.0410.C12.o1.tm	Method	TBLASTX:Maize
Start	287	End	1485
GI	none	Score	514
Exons	287..694, 287..676, 292..678, 760..834, 771..836, 1393..1485		

Seq. No.	42983	Seq. ID	OJ000450_11.0410.C12
Gene No.	89872	Strand	-
Start	2675	End	6269
Name	OJ000450_11.0410.C12.o2.tm	Method	TBLASTX:Maize
Start	2178	End	2578
GI	none	Score	393
Exons	2178..2456, 2183..2461, 2185..2457, 2191..2472, 2549..2578, 2550..2573		

Seq. No.	42983	Seq. ID	OJ000450_11.0410.C12
Gene No.	89872	Strand	-
Start	2675	End	6269
Name	OJ000450_11.0410.C12.o2.gs	Method	GENSCAN
Start	2675	End	6269
GI	none	Score	.65
Exons	2675..2766, 2813..2930, 3507..3602, 3758..3840, 3959..4017, 4133..4229, 4821..4902, 5023..5117, 5458..5561, 6163..6269		

Seq. No.	42983	Seq. ID	OJ000450_11.0410.C12
Gene No.	89872	Strand	-
Start	2675	End	6269
Name	OJ000450_11.0410.C12.o2.gp	Method	AAT/GAP
Start	2966	End	5437
GI	4819_1.R1084	Score	1922
Exons	2966..3276, 3364..3423, 3507..3602, 3758..3840, 3959..4017, 4133..4229, 4821..4902, 5023..5117, 5255..5437		
GI Descrip.	'4539545/emb\|CAB39975.1\| 1.0e-120 (Y16644) PRCI [Nicotiana		

tabacum]'

Seq. No.	42983	Seq. ID	OJ000450_11.0410.C12
Gene No.	89872	Strand	-
Start	2675	End	6269
Name	OJ000450_11.0410.C12.o1.ts	Method	TBLASTX:Soybean
Start	3172	End	5337
GI	none	Score	93
Exons	3172..3279, 3185..3277, 3248..3424, 3361..3426, 3364..3426, 3495..3614, 3511..3603, 3713..3841, 3765..3842, 3960..4016, 3961..4017, 4132..4230, 4133..4261, 4823..4903, 4846..4902, 5012..5119, 5023..5118, 5256..5336, 5266..5337		

Seq. No.	42983	Seq. ID	OJ000450_11.0410.C12
Gene No.	89872	Strand	-
Start	2675	End	6269
Name	OJ000450_11.0410.C12.o3.tm	Method	TBLASTX:Maize
Start	3176	End	5331
GI	none	Score	134
Exons	3176..3277, 3180..3272, 3184..3279, 3338..3424, 3361..3426, 3367..3432, 3495..3614, 3507..3605, 3713..3841, 3756..3842, 3759..3842, 3959..4009, 3960..4016, 3961..4017, 3961..4017, 4113..4232, 4132..4230, 4133..4261, 4812..4904, 4823..4903, 5018..5131, 5023..5118, 5256..5294, 5256..5330, 5257..5331		

Seq. No.	42983	Seq. ID	OJ000450_11.0410.C12
Gene No.	89872	Strand	-
Start	2675	End	6269
Name	OJ000450_11.0410.C12.o1.tc	Method	TBLASTX:Cress
Start	3181	End	5331
GI	none	Score	93
Exons	3181..3279, 3185..3277, 3358..3408, 3361..3426, 3362..3424, 3495..3605, 3506..3616, 3511..3603, 3516..3605, 3713..3841, 3765..3842, 3960..4016, 3961..4017, 4132..4230, 4133..4261, 4819..4902, 4846..4902, 5012..5152, 5023..5118, 5256..5330, 5257..5331		

Seq. No.	42983	Seq. ID	OJ000450_11.0410.C12
Gene No.	89872	Strand	-
Start	2675	End	6269
Name	OJ000450_11.0410.C12.o2.np	Method	AAT/NAP
Start	3187	End	5330
GI	4539545	Score	897
Exons	3187..3276, 3364..3423, 3507..3602, 3758..3840, 3959..4017, 4133..4229, 4821..4902, 5023..5117, 5255..5330		
GI Descrip.	(Y16644) PRCI [Nicotiana tabacum]		

Seq. No.	42983	Seq. ID	OJ000450_11.0410.C12
Gene No.	89872	Strand	-
Start	2675	End	6269
Name	OJ000450_11.0410.C12.o1.tw	Method	TBLASTX:Wheat
Start	3529	End	5345
GI	none	Score	105
Exons	3529..3567, 3530..3604, 3531..3605, 3531..3614, 3713..3841, 3758..3841, 3759..3842, 3960..4016, 3963..4019, 3965..4021, 4127..4207, 4132..4230, 4132..4230, 4133..4261, 4818..4904, 4819..4902, 4823..4903, 5018..5119, 5023..5118, 5256..5294,		

5256..5345, 5257..5340

Seq. No.	42984	Seq. ID	OJ000450_11.0410.C13
Gene No.	89873	Strand	+
Start	2111	End	2545
Name	OJ000450_11.0410.C13.o1.gs	Method	GENSCAN
Start	2111	End	2545
GI	none	Score	.88
Exons	2111..2201, 2466..2545		

Seq. No.	42984	Seq. ID	OJ000450_11.0410.C13
Gene No.	89874	Strand	+
Start	5307	End	9237
Name	OJ000450_11.0410.C13.o3.gs	Method	GENSCAN
Start	5307	End	6593
GI	none	Score	1
Exons	5307..5396, 6048..6593		

Seq. No.	42984	Seq. ID	OJ000450_11.0410.C13
Gene No.	89874	Strand	+
Start	5307	End	9237
Name	OJ000450_11.0410.C13.o1.np	Method	AAT/NAP
Start	6061	End	9237
GI	4680341	Score	632
Exons	6061..6145, 6204..6569, 6826..6874, 9195..9237		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	42984	Seq. ID	OJ000450_11.0410.C13
Gene No.	89874	Strand	+
Start	5307	End	9237
Name	OJ000450_11.0410.C13.o4.gs	Method	GENSCAN
Start	7695	End	8713
GI	none	Score	.89
Exons	7695..7819, 7854..7882, 7915..8324, 8438..8579, 8688..8713		

Seq. No.	42984	Seq. ID	OJ000450_11.0410.C13
Gene No.	89875	Strand	-
Start	1963	End	2084
Name	OJ000450_11.0410.C13.o1.gp	Method	AAT/GAP
Start	1963	End	2084
GI	none	Score	214
Exons	1963..2084		

Seq. No.	42984	Seq. ID	OJ000450_11.0410.C13
Gene No.	89876	Strand	-
Start	2347	End	2924
Name	OJ000450_11.0410.C13.o2.gp	Method	AAT/GAP
Start	2347	End	2924
GI	none	Score	1055
Exons	2347..2924		

Seq. No.	42984	Seq. ID	OJ000450_11.0410.C13
Gene No.	89877	Strand	-
Start	3375	End	4307
Name	OJ000450_11.0410.C13.o2.gs	Method	GENSCAN
Start	3375	End	4307
GI	none	Score	.97

Exons	3375..3802, 3817..4107, 4256..4307		
Seq. No.	42984	Seq. ID	OJ000450_11.0410.C13
Gene No.	89877	Strand	-
Start	3375	End	4307
Name	OJ000450_11.0410.C13.o3.gp	Method	AAT/GAP
Start	3693	End	4150
GI	3761357	Score	879
Exons	3693..4150		
Seq. No.	42984	Seq. ID	OJ000450_11.0410.C13
Gene No.	89878	Strand	-
Start	9312	End	10499
Name	OJ000450_11.0410.C13.o1.tw	Method	TBLASTX:Wheat
Start	5183	End	6838
GI	none	Score	56
Exons	5183..5242, 6431..6505, 6446..6556, 6447..6557, 6498..6557, 6505..6558, 6603..6692, 6623..6691, 6627..6692, 6628..6693, 6767..6802, 6780..6815, 6780..6806, 6781..6816, 6800..6838		
Seq. No.	42984	Seq. ID	OJ000450_11.0410.C13
Gene No.	89878	Strand	-
Start	9312	End	10499
Name	OJ000450_11.0410.C13.o1.tm	Method	TBLASTX:Maize
Start	9303	End	10247
GI	none	Score	150
Exons	9303..9443, 9312..9449, 9313..9444, 9553..9633, 9556..9588, 9560..9634, 9561..9635, 9736..9789, 9738..9788, 9859..9933, 9867..9941, 9998..10111, 9999..10124, 10003..10122, 10187..10246, 10188..10247		
Seq. No.	42984	Seq. ID	OJ000450_11.0410.C13
Gene No.	89878	Strand	-
Start	9312	End	10499
Name	OJ000450_11.0410.C13.o1.tc	Method	TBLASTX:Cress
Start	9306	End	10088
GI	none	Score	92
Exons	9306..9443, 9307..9444, 9553..9633, 9569..9634, 9738..9788, 9739..9789, 9859..9933, 9867..9941, 9998..10087, 9999..10088		
Seq. No.	42984	Seq. ID	OJ000450_11.0410.C13
Gene No.	89878	Strand	-
Start	9312	End	10499
Name	OJ000450_11.0410.C13.o2.np	Method	AAT/NAP
Start	9312	End	10499
GI	6970470	Score	232
Exons	9312..9443, 9559..9634, 9736..9788, 9870..9931, 10000..10110, 10189..10499		
GI Descrip.	(AB019038) beta-1,4 mannosyltransferase [Homo sapiens]		
Seq. No.	42984	Seq. ID	OJ000450_11.0410.C13
Gene No.	89878	Strand	-
Start	9312	End	10499
Name	OJ000450_11.0410.C13.o5.gp	Method	AAT/GAP
Start	9593	End	10248
GI	uC-osroM202022c08b1	Score	517
Exons	9593..9634, 9736..9788, 9870..9931, 10000..10110, 10189..10248		

GI Descrip. '1800223 2.0e-31 (U65018) mannosyltransferase [Dictyostelium discoideum]'

Seq. No.	42984	Seq. ID	OJ000450_11.0410.C13
Gene No.	89878	Strand	-
Start	9312	End	10499
Name	OJ000450_11.0410.C13.o1.ts	Method	TBLASTX:Soybean
Start	9750	End	10243
GI	none	Score	64
Exons	9750..9788, 9751..9789, 9859..9933, 9867..9941, 9998..10111, 9999..10112, 10187..10243		

Seq. No.	42985	Seq. ID	OJ000450_11.0410.C15
Gene No.	89879	Strand	+
Start	127	End	756
Name	OJ000450_11.0410.C15.o1.gs	Method	GENSCAN
Start	127	End	756
GI	none	Score	.49
Exons	127..376, 623..756		

Seq. No.	42985	Seq. ID	OJ000450_11.0410.C15
Gene No.	89880	Strand	+
Start	9963	End	13128
Name	OJ000450_11.0410.C15.o3.gs	Method	GENSCAN
Start	9963	End	12884
GI	none	Score	.66
Exons	9963..10066, 10832..11099, 11402..11454, 11574..11610, 11793..11858, 12193..12291, 12593..12727, 12822..12884		

Seq. No.	42985	Seq. ID	OJ000450_11.0410.C15
Gene No.	89880	Strand	+
Start	9963	End	13128
Name	OJ000450_11.0410.C15.o2.gp	Method	AAT/GAP
Start	12423	End	13128
GI	none	Score	903
Exons	12423..12537, 12651..12727, 12822..13128		

Seq. No.	42985	Seq. ID	OJ000450_11.0410.C15
Gene No.	89881	Strand	-
Start	2019	End	8103
Name	OJ000450_11.0410.C15.o2.gs	Method	GENSCAN
Start	2019	End	8103
GI	none	Score	.54
Exons	2019..2127, 2213..2365, 2421..2488, 2870..2964, 3564..3625, 3755..3794, 4508..5638, 7800..8103		

Seq. No.	42985	Seq. ID	OJ000450_11.0410.C15
Gene No.	89881	Strand	-
Start	2019	End	8103
Name	OJ000450_11.0410.C15.o1.gp	Method	AAT/GAP
Start	5126	End	5467
GI	none	Score	684
Exons	5126..5467		

Seq. No.	42985	Seq. ID	OJ000450_11.0410.C15
Gene No.	89882	Strand	-
Start	13838	End	15643

Name	OJ000450_11.0410.C15.o1.np	Method	AAT/NAP
Start	13829	End	15062
GI	7340860	Score	46
Exons	13829..13953, 14980..15062		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42985	Seq. ID	OJ000450_11.0410.C15
Gene No.	89882	Strand	-
Start	13838	End	15643
Name	OJ000450_11.0410.C15.o4.gs	Method	GENSCAN
Start	13838	End	15615
GI	none	Score	.77
Exons	13838..13945, 15482..15615		

Seq. No.	42985	Seq. ID	OJ000450_11.0410.C15
Gene No.	89882	Strand	-
Start	13838	End	15643
Name	OJ000450_11.0410.C15.o3.gp	Method	AAT/GAP
Start	15200	End	15643
GI	none	Score	708
Exons	15200..15417, 15482..15643		

Seq. No.	42985	Seq. ID	OJ000450_11.0410.C15
Gene No.	89883	Strand	-
Start	15659	End	16158
Name	OJ000450_11.0410.C15.o4.gp	Method	AAT/GAP
Start	15659	End	16158
GI	none	Score	959
Exons	15659..16158		

Seq. No.	42985	Seq. ID	OJ000450_11.0410.C15
Gene No.	89884	Strand	-
Start	17046	End	17180
Name	OJ000450_11.0410.C15.o3.tm	Method	TBLASTX:Maize
Start	7786	End	8106
GI	none	Score	165
Exons	7786..7920, 7787..7924, 7819..7926, 8017..8106, 8041..8076		

Seq. No.	42985	Seq. ID	OJ000450_11.0410.C15
Gene No.	89884	Strand	-
Start	17046	End	17180
Name	OJ000450_11.0410.C15.o2.tm	Method	TBLASTX:Maize
Start	9999	End	11099
GI	none	Score	347
Exons	9999..10067, 10800..11099, 10817..11098		

Seq. No.	42985	Seq. ID	OJ000450_11.0410.C15
Gene No.	89884	Strand	-
Start	17046	End	17180
Name	OJ000450_11.0410.C15.o1.ts	Method	TBLASTX:Soybean
Start	10986	End	12730
GI	none	Score	99
Exons	10986..11099, 12211..12288, 12393..12536, 12650..12730		

Seq. No.	42985	Seq. ID	OJ000450_11.0410.C15
Gene No.	89884	Strand	-

Start	17046	End	17180
Name	OJ000450_11.0410.C15.o1.tm	Method	TBLASTX:Maize
Start	12232	End	12752
GI	none	Score	89
Exons	12232..12288, 12234..12293, 12237..12302, 12248..12301, 12383..12532, 12383..12490, 12384..12533, 12402..12527, 12650..12730, 12650..12724, 12657..12752		

Seq. No.	42985	Seq. ID	OJ000450_11.0410.C15
Gene No.	89884	Strand	-
Start	17046	End	17180
Name	OJ000450_11.0410.C15.o5.gp	Method	AAT/GAP
Start	17046	End	17180
GI	uC-osflm202103h12b1	Score	250
Exons	17046..17180		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	42986	Seq. ID	OJ000450_11.0410.C16
Gene No.	89885	Strand	+
Start	950	End	1285
Name	OJ000450_11.0410.C16.o2.gs	Method	GENSCAN
Start	950	End	1285
GI	none	Score	.99
Exons	950..1285		

Seq. No.	42986	Seq. ID	OJ000450_11.0410.C16
Gene No.	89886	Strand	-
Start	1	End	88
Name	OJ000450_11.0410.C16.o1.gp	Method	AAT/GAP
Start	1	End	88
GI	uC-osflm202103h12b1	Score	156
Exons	1..88		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	42986	Seq. ID	OJ000450_11.0410.C16
Gene No.	89887	Strand	-
Start	19	End	637
Name	OJ000450_11.0410.C16.o1.gs	Method	GENSCAN
Start	19	End	637
GI	none	Score	.8
Exons	19..637		

Seq. No.	42987	Seq. ID	OJ000450_10.0411.C1
Gene No.	89888	Strand	+
Start	7957	End	11488
Name	OJ000450_10.0411.C1.o2.gs	Method	GENSCAN
Start	7957	End	10808
GI	none	Score	.48
Exons	7957..8092, 8178..8217, 9422..9545, 9987..10334, 10485..10808		

Seq. No.	42987	Seq. ID	OJ000450_10.0411.C1
Gene No.	89888	Strand	+
Start	7957	End	11488
Name	OJ000450_10.0411.C1.o3.np	Method	AAT/NAP
Start	9897	End	11488

GI	6069646	Score	691
Exons	9897..10230, 10513..11488		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	42987	Seq. ID	OJ000450_10.0411.C1
Gene No.	89889	Strand	-
Start	15	End	7440
Name	OJ000450_10.0411.C1.o1.np	Method	AAT/NAP
Start	15	End	6456
GI	6689922	Score	1509
Exons	15..404, 863..970, 1059..1174, 1944..2070, 3179..3348, 4165..4243, 4314..4425, 4820..4861, 5292..5422, 6313..6456		
GI Descrip.	(AF194414) calcium-dependent protein kinase [Oryza sativa]		

Seq. No.	42987	Seq. ID	OJ000450_10.0411.C1
Gene No.	89889	Strand	-
Start	15	End	7440
Name	OJ000450_10.0411.C1.o1.gp	Method	AAT/GAP
Start	863	End	6456
GI	1078_1.R1084	Score	1871
Exons	863..970, 1059..1174, 1944..2070, 3179..3348, 4165..4243, 4314..4425, 4820..4861, 5292..5422, 6313..6456		
GI Descrip.	'2708745 0.0e+00 (AC003952) putative calcium-dependent ser/thr protein kinase [Arabidopsis thaliana]'		

Seq. No.	42987	Seq. ID	OJ000450_10.0411.C1
Gene No.	89889	Strand	-
Start	15	End	7440
Name	OJ000450_10.0411.C1.o1.gs	Method	GENSCAN
Start	863	End	7440
GI	none	Score	.87
Exons	863..970, 1059..1174, 1944..2070, 3179..3348, 4165..4243, 4314..4425, 4820..4861, 5292..5422, 6313..6550, 6739..6760, 6821..6872, 7405..7440		

Seq. No.	42987	Seq. ID	OJ000450_10.0411.C1
Gene No.	89890	Strand	-
Start	7483	End	8132
Name	OJ000450_10.0411.C1.o2.np	Method	AAT/NAP
Start	7483	End	8132
GI	6498436	Score	205
Exons	7483..7602, 7860..8132		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	42987	Seq. ID	OJ000450_10.0411.C1
Gene No.	89891	Strand	-
Start	11797	End	12760
Name	OJ000450_10.0411.C1.o3.gs	Method	GENSCAN
Start	11797	End	12760
GI	none	Score	.73
Exons	11797..11877, 12310..12382, 12391..12760		

Seq. No.	42987	Seq. ID	OJ000450_10.0411.C1

Gene No.	89892	Strand	-
Start	14891	End	15255
Name	OJ000450_10.0411.C1.o2.gp	Method	AAT/GAP
Start	14891	End	15255
GI	5003232	Score	628
Exons	14891..15255		

Seq. No.	42987	Seq. ID	OJ000450_10.0411.C1
Gene No.	89893	Strand	-
Start	15365	End	15445
Name	OJ000450_10.0411.C1.o1.tc	Method	TBLASTX:Cress
Start	863	End	1173
GI	none	Score	92
Exons	863..970, 864..977, 1041..1172, 1063..1173		

Seq. No.	42987	Seq. ID	OJ000450_10.0411.C1
Gene No.	89893	Strand	-
Start	15365	End	15445
Name	OJ000450_10.0411.C1.o4.tm	Method	TBLASTX:Maize
Start	866	End	2071
GI	none	Score	147
Exons	866..970, 1041..1175, 1058..1180, 1060..1173, 1945..2070, 1949..2071		

Seq. No.	42987	Seq. ID	OJ000450_10.0411.C1
Gene No.	89893	Strand	-
Start	15365	End	15445
Name	OJ000450_10.0411.C1.o2.ts	Method	TBLASTX:Soybean
Start	1934	End	2074
GI	none	Score	135
Exons	1934..2074, 1937..2071, 1939..2073		

Seq. No.	42987	Seq. ID	OJ000450_10.0411.C1
Gene No.	89893	Strand	-
Start	15365	End	15445
Name	OJ000450_10.0411.C1.o2.tc	Method	TBLASTX:Cress
Start	1942	End	5401
GI	none	Score	65
Exons	1942..2097, 1943..2041, 3146..3349, 3183..3350, 4163..4246, 4164..4244, 4314..4442, 4686..4727, 4819..4899, 5291..5401		

Seq. No.	42987	Seq. ID	OJ000450_10.0411.C1
Gene No.	89893	Strand	-
Start	15365	End	15445
Name	OJ000450_10.0411.C1.o5.tm	Method	TBLASTX:Maize
Start	3173	End	3346
GI	none	Score	98
Exons	3173..3346, 3177..3275, 3209..3346		

Seq. No.	42987	Seq. ID	OJ000450_10.0411.C1
Gene No.	89893	Strand	-
Start	15365	End	15445
Name	OJ000450_10.0411.C1.o1.ts	Method	TBLASTX:Soybean
Start	3233	End	5387
GI	none	Score	114
Exons	3233..3349, 3243..3350, 4163..4246, 4164..4271, 4314..4427, 4315..4380, 4819..4899, 5291..5386, 5328..5387		

Seq. No.	42987	Seq. ID	OJ000450_10.0411.C1
Gene No.	89893	Strand	-
Start	15365	End	15445
Name	OJ000450_10.0411.C1.o3.tm	Method	TBLASTX:Maize
Start	4198	End	6577
GI	none	Score	50
Exons	4198..4245, 4199..4246, 4200..4244, 4313..4423, 4314..4424, 4314..4427, 4819..4899, 5280..5393, 5281..5370, 5291..5425, 5325..5423, 6310..6576, 6314..6379, 6422..6577		

Seq. No.	42987	Seq. ID	OJ000450_10.0411.C1
Gene No.	89893	Strand	-
Start	15365	End	15445
Name	OJ000450_10.0411.C1.o3.tc	Method	TBLASTX:Cress
Start	6310	End	6474
GI	none	Score	211
Exons	6310..6474		

Seq. No.	42987	Seq. ID	OJ000450_10.0411.C1
Gene No.	89893	Strand	-
Start	15365	End	15445
Name	OJ000450_10.0411.C1.o1.tm	Method	TBLASTX:Maize
Start	9897	End	10451
GI	none	Score	453
Exons	9897..10451, 9995..10444		

Seq. No.	42987	Seq. ID	OJ000450_10.0411.C1
Gene No.	89893	Strand	-
Start	15365	End	15445
Name	OJ000450_10.0411.C1.o2.tw	Method	TBLASTX:Wheat
Start	10092	End	10526
GI	none	Score	169
Exons	10092..10388, 10398..10526		

Seq. No.	42987	Seq. ID	OJ000450_10.0411.C1
Gene No.	89893	Strand	-
Start	15365	End	15445
Name	OJ000450_10.0411.C1.o6.tm	Method	TBLASTX:Maize
Start	10457	End	10774
GI	none	Score	212
Exons	10457..10774, 10461..10748		

Seq. No.	42987	Seq. ID	OJ000450_10.0411.C1
Gene No.	89893	Strand	-
Start	15365	End	15445
Name	OJ000450_10.0411.C1.o2.tm	Method	TBLASTX:Maize
Start	10885	End	11584
GI	none	Score	126
Exons	10885..11025, 11000..11065, 11008..11136, 11013..11138, 11129..11245, 11133..11249, 11137..11280, 11140..11295, 11305..11460, 11312..11506, 11495..11584, 11525..11566		

Seq. No.	42987	Seq. ID	OJ000450_10.0411.C1
Gene No.	89893	Strand	-
Start	15365	End	15445
Name	OJ000450_10.0411.C1.o1.tw	Method	TBLASTX:Wheat

Start	11020	End	11365
GI	none	Score	139
Exons	11020..11139, 11133..11198, 11315..11365		

Seq. No.	42987	Seq. ID	OJ000450_10.0411.C1
Gene No.	89893	Strand	-
Start	15365	End	15445
Name	OJ000450_10.0411.C1.o4.np	Method	AAT/NAP
Start	15365	End	15445
GI	5669871	Score	111
Exons	15365..15445		
GI Descrip.	(AF135014) dihydrolipoamide S-acetyltransferase [Zea mays]		

Seq. No.	42988	Seq. ID	OJ000450_10.0411.C2
Gene No.	89894	Strand	-
Start	181	End	1885
Name	OJ000450_10.0411.C2.o1.np	Method	AAT/NAP
Start	181	End	1885
GI	5669871	Score	668
Exons	181..433, 513..608, 671..737, 816..883, 1032..1107, 1246..1331, 1419..1504, 1858..1885		
GI Descrip.	(AF135014) dihydrolipoamide S-acetyltransferase [Zea mays]		

Seq. No.	42988	Seq. ID	OJ000450_10.0411.C2
Gene No.	89894	Strand	-
Start	181	End	1885
Name	OJ000450_10.0411.C2.o1.tc	Method	TBLASTX:Cress
Start	323	End	1502
GI	none	Score	122
Exons	323..439, 333..434, 352..441, 356..436, 511..609, 513..617, 514..609, 657..770, 669..725, 671..739, 815..889, 816..884, 1032..1106, 1248..1334, 1255..1335, 1416..1502		

Seq. No.	42988	Seq. ID	OJ000450_10.0411.C2
Gene No.	89894	Strand	-
Start	181	End	1885
Name	OJ000450_10.0411.C2.o1.ts	Method	TBLASTX:Soybean
Start	323	End	1499
GI	none	Score	121
Exons	323..439, 324..434, 326..436, 328..441, 502..609, 513..617, 514..609, 657..737, 669..725, 671..742, 671..739, 813..884, 815..889, 1032..1106, 1036..1110, 1246..1335, 1251..1334, 1416..1499		

Seq. No.	42988	Seq. ID	OJ000450_10.0411.C2
Gene No.	89894	Strand	-
Start	181	End	1885
Name	OJ000450_10.0411.C2.o1.tm	Method	TBLASTX:Maize
Start	323	End	1499
GI	none	Score	167
Exons	323..439, 331..441, 333..434, 511..609, 513..617, 514..609, 657..770, 671..748, 812..898, 815..889, 823..894, 1032..1109, 1036..1107, 1043..1111, 1244..1333, 1245..1334, 1245..1334, 1255..1335, 1406..1492, 1414..1497, 1416..1499		

Seq. No.	42988	Seq. ID	OJ000450_10.0411.C2
Gene No.	89894	Strand	-

Start	181	End	1885
Name	OJ000450_10.0411.C2.o1.gp	Method	AAT/GAP
Start	331	End	887
GI	LIB3433-056-P1-K1-E2	Score	552
Exons	331..433, 513..608, 671..737, 816..887		
GI Descrip.	'5669871/gb\|AAD46491.1\|AF135014_1 1.0e-71 (AF135014) dihydrolipoamide S-acetyltransferase [Zea mays]'		

Seq. No.	42988	Seq. ID	OJ000450_10.0411.C2
Gene No.	89894	Strand	-
Start	181	End	1885
Name	OJ000450_10.0411.C2.o1.gs	Method	GENSCAN
Start	331	End	1331
GI	none	Score	.77
Exons	331..433, 513..608, 671..737, 816..883, 1032..1107, 1246..1331		

Seq. No.	42988	Seq. ID	OJ000450_10.0411.C2
Gene No.	89894	Strand	-
Start	181	End	1885
Name	OJ000450_10.0411.C2.o1.tw	Method	TBLASTX:Wheat
Start	357	End	1111
GI	none	Score	130
Exons	357..434, 357..434, 358..441, 359..439, 511..609, 513..617, 514..609, 657..785, 671..748, 813..884, 815..889, 1032..1106, 1032..1109, 1036..1110, 1049..1111		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89895	Strand	+
Start	1346	End	1438
Name	OJ000450_10.0411.C3.o1.gp	Method	AAT/GAP
Start	1346	End	1438
GI	uC-osflcyp064a11b1	Score	132
Exons	1346..1438		
GI Descrip.	'951166 2.0e-30 (U31451) invertase [Zea mays]'		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89896	Strand	+
Start	17586	End	28047
Name	OJ000450_10.0411.C3.o5.gs	Method	GENSCAN
Start	17586	End	22145
GI	none	Score	.68
Exons	17586..17619, 17803..17935, 19670..19995, 20389..21317, 21324..22145		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89896	Strand	+
Start	17586	End	28047
Name	OJ000450_10.0411.C3.o4.np	Method	AAT/NAP
Start	21795	End	28047
GI	6691191	Score	2624
Exons	21795..24228, 27037..27468, 27972..28047		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89896	Strand	+
Start	17586	End	28047
Name	OJ000450_10.0411.C3.o6.gs	Method	GENSCAN

Start	22275	End	23570
GI	none	Score	.71
Exons	22275..23570		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89896	Strand	+
Start	17586	End	28047
Name	OJ000450_10.0411.C3.o7.gs	Method	GENSCAN
Start	23725	End	24201
GI	none	Score	.69
Exons	23725..24201		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89897	Strand	+
Start	49974	End	53797
Name	OJ000450_10.0411.C3.o8.np	Method	AAT/NAP
Start	49974	End	53797
GI	6539553	Score	5945
Exons	49974..53797		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89898	Strand	-
Start	593	End	7214
Name	OJ000450_10.0411.C3.o1.gs	Method	GENSCAN
Start	593	End	7214
GI	none	Score	.75
Exons	593..665, 759..1007, 1349..1423, 1792..1847, 2604..2644, 3038..3132, 3216..3289, 4183..4276, 4421..4953, 6337..6477, 7064..7214		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89898	Strand	-
Start	593	End	7214
Name	OJ000450_10.0411.C3.o1.np	Method	AAT/NAP
Start	593	End	4650
GI	5669871	Score	811
Exons	593..665, 759..1007, 1129..1220, 1349..1423, 1792..1847, 2604..2644, 3038..3132, 3222..3285, 4179..4276, 4615..4650		
GI Descrip.	(AF135014) dihydrolipoamide S-acetyltransferase [Zea mays]		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89898	Strand	-
Start	593	End	7214
Name	OJ000450_10.0411.C3.o3.gp	Method	AAT/GAP
Start	4247	End	4864
GI	568812	Score	523
Exons	4247..4276, 4615..4864		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89899	Strand	-
Start	12100	End	13751
Name	OJ000450_10.0411.C3.o3.gs	Method	GENSCAN
Start	12100	End	12765

GI	none	Score	.71
Exons	12100..12765		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89899	Strand	-
Start	12100	End	13751
Name	OJ000450_10.0411.C3.o2.np	Method	AAT/NAP
Start	12115	End	13751
GI	4432818	Score	299
Exons	12115..12540, 13726..13751		
GI Descrip.	(AC006593) ethylene reponse factor-like AP2 domain transcription factor [Arabidopsis thaliana]		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89900	Strand	-
Start	14174	End	15584
Name	OJ000450_10.0411.C3.o4.gs	Method	GENSCAN
Start	14174	End	15584
GI	none	Score	.52
Exons	14174..14292, 15132..15216, 15510..15584		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89901	Strand	-
Start	24988	End	29537
Name	OJ000450_10.0411.C3.o8.gs	Method	GENSCAN
Start	24988	End	29537
GI	none	Score	.56
Exons	24988..25128, 25173..25276, 27116..27167, 27408..27521, 29199..29537		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89901	Strand	-
Start	24988	End	29537
Name	OJ000450_10.0411.C3.o5.gp	Method	AAT/GAP
Start	25736	End	26257
GI	uC-osf1M202048c12b1	Score	812
Exons	25736..26257		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89902	Strand	-
Start	33216	End	33960
Name	OJ000450_10.0411.C3.o6.np	Method	AAT/NAP
Start	33216	End	33689
GI	4432818	Score	324
Exons	33216..33689		
GI Descrip.	(AC006593) ethylene reponse factor-like AP2 domain transcription factor [Arabidopsis thaliana]		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89902	Strand	-
Start	33216	End	33960
Name	OJ000450_10.0411.C3.o6.gp	Method	AAT/GAP
Start	33530	End	33960
GI	uC-osflcyp034f01b1	Score	853
Exons	33530..33960		

GI Descrip.	'1732406 3.0e-11 (U81157) S25-XP1 DNA binding protein [Nicotiana tabacum]'		
Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89903	Strand	-
Start	37303	End	39908
Name	OJ000450_10.0411.C3.o7.np	Method	AAT/NAP
Start	37303	End	39908
GI	5295955	Score	1001
Exons	37303..37880, 37920..38255, 38344..38477, 39158..39272, 39815..39908		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89904	Strand	-
Start	44916	End	48720
Name	OJ000450_10.0411.C3.o10.gs	Method	GENSCAN
Start	44916	End	48720
GI	none	Score	.61
Exons	44916..44983, 46503..46603, 47998..48334, 48639..48720		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89905	Strand	-
Start	57343	End	57636
Name	OJ000450_10.0411.C3.o1.tm	Method	TBLASTX:Maize
Start	589	End	4725
GI	none	Score	116
Exons	589..666, 594..665, 756..1007, 759..1010, 953..1009, 1115..1213, 1126..1215, 1127..1213, 1344..1424, 1348..1425, 1349..1423, 1350..1424, 1762..1848, 1778..1855, 1792..1848, 3000..3140, 3038..3127, 3223..3291, 4178..4279, 4179..4277, 4180..4296, 4609..4725		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89905	Strand	-
Start	57343	End	57636
Name	OJ000450_10.0411.C3.o2.ts	Method	TBLASTX:Soybean
Start	594	End	1849
GI	none	Score	93
Exons	594..671, 595..684, 756..1007, 757..1005, 1115..1213, 1115..1213, 1126..1215, 1344..1424, 1349..1426, 1349..1423, 1778..1849, 1792..1848		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89905	Strand	-
Start	57343	End	57636
Name	OJ000450_10.0411.C3.o2.tc	Method	TBLASTX:Cress
Start	837	End	1849
GI	none	Score	94
Exons	837..1007, 877..1005, 1126..1215, 1127..1213, 1344..1424, 1349..1426, 1349..1423, 1778..1849, 1792..1848		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89905	Strand	-
Start	57343	End	57636
Name	OJ000450_10.0411.C3.o4.tc	Method	TBLASTX:Cress

Start	12346	End	33680
GI	none	Score	108
Exons	12346..12534, 12449..12538, 33207..33275, 33480..33680, 33586..33675		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89905	Strand	-
Start	57343	End	57636
Name	OJ000450_10.0411.C3.o12.tw	Method	TBLASTX:Wheat
Start	20517	End	57413
GI	none	Score	210
Exons	20517..20870, 57141..57413, 57197..57412		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89905	Strand	-
Start	57343	End	57636
Name	OJ000450_10.0411.C3.o1.ts	Method	TBLASTX:Soybean
Start	22044	End	22469
GI	none	Score	407
Exons	22044..22469, 22046..22345, 22140..22457		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89905	Strand	-
Start	57343	End	57636
Name	OJ000450_10.0411.C3.o4.tw	Method	TBLASTX:Wheat
Start	22044	End	22448
GI	none	Score	417
Exons	22044..22448, 22046..22339		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89905	Strand	-
Start	57343	End	57636
Name	OJ000450_10.0411.C3.o8.tm	Method	TBLASTX:Maize
Start	22332	End	22694
GI	none	Score	214
Exons	22332..22694		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89905	Strand	-
Start	57343	End	57636
Name	OJ000450_10.0411.C3.o3.tw	Method	TBLASTX:Wheat
Start	22545	End	22977
GI	none	Score	541
Exons	22545..22976, 22547..22966, 22636..22977		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89905	Strand	-
Start	57343	End	57636
Name	OJ000450_10.0411.C3.o6.tm	Method	TBLASTX:Maize
Start	22710	End	23258
GI	none	Score	275
Exons	22710..23123, 22802..23122, 23115..23258		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89905	Strand	-
Start	57343	End	57636
Name	OJ000450_10.0411.C3.o6.ts	Method	TBLASTX:Soybean

Start	22836	End	23171
GI	none	Score	71
Exons	22836..22901, 22901..23116, 22902..23171		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89905	Strand	-
Start	57343	End	57636
Name	OJ000450_10.0411.C3.o6.tw	Method	TBLASTX:Wheat
Start	22980	End	23291
GI	none	Score	373
Exons	22980..23291, 22982..23137, 23159..23281		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89905	Strand	-
Start	57343	End	57636
Name	OJ000450_10.0411.C3.o11.tw	Method	TBLASTX:Wheat
Start	23295	End	23712
GI	none	Score	193
Exons	23295..23495, 23297..23479, 23316..23480, 23483..23557, 23487..23558, 23571..23645, 23644..23712		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89905	Strand	-
Start	57343	End	57636
Name	OJ000450_10.0411.C3.o3.tc	Method	TBLASTX:Cress
Start	23478	End	23808
GI	none	Score	59
Exons	23478..23537, 23604..23639, 23644..23808, 23658..23807		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89905	Strand	-
Start	57343	End	57636
Name	OJ000450_10.0411.C3.o5.ts	Method	TBLASTX:Soybean
Start	23829	End	51718
GI	none	Score	71
Exons	23829..23870, 23830..23871, 23866..24183, 23868..24182, 51551..51718		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89905	Strand	-
Start	57343	End	57636
Name	OJ000450_10.0411.C3.o9.tw	Method	TBLASTX:Wheat
Start	23830	End	24228
GI	none	Score	326
Exons	23830..24228, 23835..24188		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89905	Strand	-
Start	57343	End	57636
Name	OJ000450_10.0411.C3.o7.tm	Method	TBLASTX:Maize
Start	24016	End	51975
GI	none	Score	85
Exons	24016..24198, 51538..51720, 51539..51748, 51808..51975		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89905	Strand	-
Start	57343	End	57636

Name	OJ000450_10.0411.C3.o3.ts	Method	TBLASTX:Soybean
Start	27033	End	27444
GI	none	Score	99
Exons	27033..27161, 27034..27351, 27039..27350, 27364..27444		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89905	Strand	-
Start	57343	End	57636
Name	OJ000450_10.0411.C3.o7.tw	Method	TBLASTX:Wheat
Start	27033	End	27354
GI	none	Score	343
Exons	27033..27353, 27034..27354		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89905	Strand	-
Start	57343	End	57636
Name	OJ000450_10.0411.C3.o10.tw	Method	TBLASTX:Wheat
Start	29662	End	30069
GI	none	Score	63
Exons	29662..29811, 29662..29808, 29851..30069, 29866..30027		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89905	Strand	-
Start	57343	End	57636
Name	OJ000450_10.0411.C3.o8.tw	Method	TBLASTX:Wheat
Start	49905	End	50264
GI	none	Score	56
Exons	49905..49958, 49921..49959, 49970..50149, 49971..50129, 50109..50264, 50130..50258		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89905	Strand	-
Start	57343	End	57636
Name	OJ000450_10.0411.C3.o2.tm	Method	TBLASTX:Maize
Start	50103	End	50416
GI	none	Score	353
Exons	50103..50414, 50109..50411, 50111..50416		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89905	Strand	-
Start	57343	End	57636
Name	OJ000450_10.0411.C3.o4.tm	Method	TBLASTX:Maize
Start	50983	End	51304
GI	none	Score	88
Exons	50983..51033, 50985..51035, 50986..51036, 51025..51219, 51026..51226, 51105..51269, 51241..51285, 51242..51304		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89905	Strand	-
Start	57343	End	57636
Name	OJ000450_10.0411.C3.o1.tw	Method	TBLASTX:Wheat
Start	51626	End	52381
GI	none	Score	189
Exons	51626..51754, 51634..51750, 51733..52101, 51747..51938, 51747..52127, 51748..52134, 52146..52361, 52149..52355, 52172..52381, 52222..52380		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89905	Strand	-
Start	57343	End	57636
Name	OJ000450_10.0411.C3.o4.ts	Method	TBLASTX:Soybean
Start	52307	End	52765
GI	5509260	Score	343
Exons	52307..52765, 52396..52614, 52577..52744, 52687..52746		
GI Descrip.	-		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89905	Strand	-
Start	57343	End	57636
Name	OJ000450_10.0411.C3.o1.tc	Method	TBLASTX:Cress
Start	52394	End	52654
GI	none	Score	273
Exons	52394..52654, 52396..52566		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89905	Strand	-
Start	57343	End	57636
Name	OJ000450_10.0411.C3.o3.tm	Method	TBLASTX:Maize
Start	52435	End	52882
GI	none	Score	328
Exons	52435..52617, 52436..52882, 52571..52753		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89905	Strand	-
Start	57343	End	57636
Name	OJ000450_10.0411.C3.o5.tw	Method	TBLASTX:Wheat
Start	52436	End	52981
GI	none	Score	293
Exons	52436..52780, 52583..52756, 52775..52981, 52850..52951		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89905	Strand	-
Start	57343	End	57636
Name	OJ000450_10.0411.C3.o7.ts	Method	TBLASTX:Soybean
Start	52834	End	53179
GI	none	Score	276
Exons	52834..53034, 52835..53179		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89905	Strand	-
Start	57343	End	57636
Name	OJ000450_10.0411.C3.o5.tm	Method	TBLASTX:Maize
Start	52990	End	53329
GI	none	Score	315
Exons	52990..53328, 52991..53329		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89905	Strand	-
Start	57343	End	57636
Name	OJ000450_10.0411.C3.o2.tw	Method	TBLASTX:Wheat
Start	53185	End	53659
GI	none	Score	101
Exons	53185..53256, 53186..53260, 53274..53582, 53275..53628, 53275..53655, 53276..53659		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89905	Strand	-
Start	57343	End	57636
Name	OJ000450_10.0411.C3.o8.ts	Method	TBLASTX:Soybean
Start	53192	End	53533
GI	none	Score	95
Exons	53192..53305, 53218..53298, 53324..53533, 53324..53512		

Seq. No.	42989	Seq. ID	OJ000450_10.0411.C3
Gene No.	89905	Strand	-
Start	57343	End	57636
Name	OJ000450_10.0411.C3.o12.gs	Method	GENSCAN
Start	57343	End	57636
GI	none	Score	.64
Exons	57343..57636		

Seq. No.	42990	Seq. ID	OJ000450_13.0410.C2
Gene No.	89906	Strand	+
Start	1	End	725
Name	OJ000450_13.0410.C2.o1.gp	Method	AAT/GAP
Start	1	End	164
GI	none	Score	282
Exons	1..164		

Seq. No.	42990	Seq. ID	OJ000450_13.0410.C2
Gene No.	89906	Strand	+
Start	1	End	725
Name	OJ000450_13.0410.C2.o1.np	Method	AAT/NAP
Start	1	End	725
GI	6714449	Score	534
Exons	1..725		
GI Descrip.	(AC011620) putative pectinesterase [Arabidopsis thaliana]		

Seq. No.	42990	Seq. ID	OJ000450_13.0410.C2
Gene No.	89906	Strand	+
Start	1	End	725
Name	OJ000450_13.0410.C2.o1.ts	Method	TBLASTX:Soybean
Start	6	End	725
GI	none	Score	177
Exons	6..266, 206..262, 258..410, 260..379, 438..725, 479..682		

Seq. No.	42990	Seq. ID	OJ000450_13.0410.C2
Gene No.	89906	Strand	+
Start	1	End	725
Name	OJ000450_13.0410.C2.o1.tm	Method	TBLASTX:Maize
Start	35	End	377
GI	none	Score	398
Exons	35..361, 39..377, 324..377		

Seq. No.	42990	Seq. ID	OJ000450_13.0410.C2
Gene No.	89906	Strand	+
Start	1	End	725
Name	OJ000450_13.0410.C2.o1.gs	Method	GENSCAN
Start	63	End	641
GI	none	Score	.98
Exons	63..157, 212..641		

Seq. No.	42990	Seq. ID	OJ000450_13.0410.C2
Gene No.	89906	Strand	+
Start	1	End	725
Name	OJ000450_13.0410.C2.o1.tc	Method	TBLASTX:Cress
Start	192	End	704
GI	none	Score	57
Exons	192..257, 417..704, 488..682		

Seq. No.	42990	Seq. ID	OJ000450_13.0410.C2
Gene No.	89906	Strand	+
Start	1	End	725
Name	OJ000450_13.0410.C2.o1.tw	Method	TBLASTX:Wheat
Start	437	End	725
GI	none	Score	383
Exons	437..682, 438..725, 666..719, 703..720		

Seq. No.	42990	Seq. ID	OJ000450_13.0410.C2
Gene No.	89906	Strand	+
Start	1	End	725
Name	OJ000450_13.0410.C2.o2.tm	Method	TBLASTX:Maize
Start	491	End	725
GI	none	Score	341
Exons	491..685, 492..725, 660..725		

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89907	Strand	+
Start	9810	End	16965
Name	OJ000450_13.0410.C3.o3.gs	Method	GENSCAN
Start	9810	End	16965
GI	none	Score	.6
Exons	9810..9952, 10398..10432, 11091..11160, 12474..12573, 14154..14233, 14884..14947, 15000..15195, 16223..16346, 16436..16528, 16572..16965		

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89907	Strand	+
Start	9810	End	16965
Name	OJ000450_13.0410.C3.o1.np	Method	AAT/NAP
Start	15015	End	16640
GI	6103722	Score	322
Exons	15015..15332, 16619..16640		
GI Descrip.	(AF186847) TIM17 [Arabidopsis thaliana]		

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89908	Strand	+
Start	22290	End	26082
Name	OJ000450_13.0410.C3.o4.np	Method	AAT/NAP
Start	22030	End	25275
GI	7447845	Score	1608
Exons	22030..22086, 22809..22876, 22987..23103, 23402..23464, 23872..23976, 24054..24104, 24279..24599, 24700..24906, 24985..25275		
GI Descrip.	hypothetical protein T16L1.170 - Arabidopsis thaliana gi\|3549670\|emb\|CAA20581.1\| (AL031394) putative protein [Arabidopsis thaliana] gi\|7270317\|emb\|CAB80085.1\| (AL161584) putative protein [Arabidopsis thaliana]		

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89908	Strand	+
Start	22290	End	26082
Name	OJ000450_13.0410.C3.o5.gs	Method	GENSCAN
Start	22290	End	26082
GI	none	Score	.75
Exons	22290..22369, 22466..22526, 22594..22772, 22774..22876, 22987..23103, 23402..23464, 23872..23976, 24054..24104, 24279..24599, 24700..24906, 24985..25203, 25936..26082		

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89908	Strand	+
Start	22290	End	26082
Name	OJ000450_13.0410.C3.o1.gp	Method	AAT/GAP
Start	22809	End	23028
GI	uC-osroM202018h12b1	Score	203
Exons	22809..22876, 22987..23028		
GI Descrip.	'3549670/emb\|CAA20581.1\| 1.0e-35 (AL031394) putative protein [Arabidopsis thaliana]'		

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89908	Strand	+
Start	22290	End	26082
Name	OJ000450_13.0410.C3.o2.gp	Method	AAT/GAP
Start	22809	End	23087
GI	uC-osroM202018h12b1	Score	282
Exons	22809..22876, 22987..23087		
GI Descrip.	'3549670/emb\|CAA20581.1\| 1.0e-35 (AL031394) putative protein [Arabidopsis thaliana]'		

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89908	Strand	+
Start	22290	End	26082
Name	OJ000450_13.0410.C3.o3.gp	Method	AAT/GAP
Start	23920	End	24552
GI	2427873	Score	565
Exons	23920..23976, 24054..24104, 24279..24552		
GI Descrip.	3549670/emb\|CAA20581.1\| 1.0e-35 (AL031394) putative protein [Arabidopsis thaliana]		

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89908	Strand	+
Start	22290	End	26082
Name	OJ000450_13.0410.C3.o4.gp	Method	AAT/GAP
Start	24560	End	25536
GI	13733_1.R1084	Score	1378
Exons	24560..24599, 24700..24906, 24985..25536		
GI Descrip.	'3549670/emb\|CAA20581.1\| 3.0e-66 (AL031394) putative protein [Arabidopsis thaliana]'		

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89909	Strand	+
Start	31108	End	31522
Name	OJ000450_13.0410.C3.o6.gp	Method	AAT/GAP
Start	31108	End	31522
GI	none	Score	826

Exons	31108..31522		
Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89910	Strand	+
Start	35779	End	36561
Name	OJ000450_13.0410.C3.o8.gs	Method	GENSCAN
Start	35779	End	36561
GI	none	Score	.97
Exons	35779..35832, 35883..36032, 36120..36235, 36407..36561		
Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89911	Strand	-
Start	5593	End	7311
Name	OJ000450_13.0410.C3.o2.gs	Method	GENSCAN
Start	5593	End	7311
GI	none	Score	.96
Exons	5593..7311		
Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89912	Strand	-
Start	16099	End	17710
Name	OJ000450_13.0410.C3.o2.np	Method	AAT/NAP
Start	16099	End	17710
GI	7363272	Score	319
Exons	16099..16228, 16288..16456, 16486..16891, 17643..17710		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		
Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89913	Strand	-
Start	17630	End	21238
Name	OJ000450_13.0410.C3.o4.gs	Method	GENSCAN
Start	17630	End	21238
GI	none	Score	.76
Exons	17630..17761, 18166..18302, 18995..19181, 19555..19722, 21161..21238		
Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89913	Strand	-
Start	17630	End	21238
Name	OJ000450_13.0410.C3.o3.np	Method	AAT/NAP
Start	18210	End	18366
GI	7363271	Score	133
Exons	18210..18366		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		
Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89914	Strand	-
Start	27031	End	28377
Name	OJ000450_13.0410.C3.o5.np	Method	AAT/NAP
Start	27028	End	28371
GI	7487013	Score	1796
Exons	27028..28371		
GI Descrip.	hypothetical protein T14P8.23 - Arabidopsis thaliana gi\|3193287\|gb\|AAC19271.1\| (AF069298) Arabidopsis predicted protein of unknown function T10P11.19 (GB:AC002330) [Arabidopsis thaliana]		

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89914	Strand	-
Start	27031	End	28377
Name	OJ000450_13.0410.C3.o6.gs	Method	GENSCAN
Start	27031	End	28377
GI	none	Score	.99
Exons	27031..28377		

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89915	Strand	-
Start	28395	End	28678
Name	OJ000450_13.0410.C3.o5.gp	Method	AAT/GAP
Start	28395	End	28678
GI	none	Score	453
Exons	28395..28678		

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89916	Strand	-
Start	29534	End	36521
Name	OJ000450_13.0410.C3.o3.tw	Method	TBLASTX:Wheat
Start	6016	End	6345
GI	none	Score	179
Exons	6016..6054, 6017..6325, 6109..6345		

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89916	Strand	-
Start	29534	End	36521
Name	OJ000450_13.0410.C3.o6.tc	Method	TBLASTX:Cress
Start	6148	End	6543
GI	none	Score	136
Exons	6148..6339, 6149..6325, 6448..6543		

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89916	Strand	-
Start	29534	End	36521
Name	OJ000450_13.0410.C3.o6.tm	Method	TBLASTX:Maize
Start	6442	End	6844
GI	none	Score	96
Exons	6442..6648, 6476..6739, 6682..6843, 6683..6844		

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89916	Strand	-
Start	29534	End	36521
Name	OJ000450_13.0410.C3.o10.tm	Method	TBLASTX:Maize
Start	7111	End	7365
GI	none	Score	141
Exons	7111..7365, 7112..7222, 7207..7272, 7238..7294		

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89916	Strand	-
Start	29534	End	36521
Name	OJ000450_13.0410.C3.o2.tw	Method	TBLASTX:Wheat
Start	15000	End	15285
GI	none	Score	201
Exons	15000..15191, 15038..15190, 15069..15233, 15104..15214, 15188..15283, 15193..15285, 15205..15285		

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89916	Strand	-
Start	29534	End	36521
Name	OJ000450_13.0410.C3.o5.tm	Method	TBLASTX:Maize
Start	15009	End	15419
GI	none	Score	188
Exons	15009..15191, 15038..15190, 15072..15233, 15188..15286, 15192..15332, 15193..15327, 15196..15336, 15331..15369, 15332..15373, 15360..15419		

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89916	Strand	-
Start	29534	End	36521
Name	OJ000450_13.0410.C3.o4.tc	Method	TBLASTX:Cress
Start	15038	End	15315
GI	none	Score	187
Exons	15038..15190, 15042..15191, 15192..15314, 15193..15315		

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89916	Strand	-
Start	29534	End	36521
Name	OJ000450_13.0410.C3.o5.ts	Method	TBLASTX:Soybean
Start	15038	End	15373
GI	none	Score	185
Exons	15038..15190, 15042..15191, 15069..15233, 15192..15332, 15193..15327, 15204..15332, 15205..15342, 15332..15373, 15332..15373		

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89916	Strand	-
Start	29534	End	36521
Name	OJ000450_13.0410.C3.o1.ts	Method	TBLASTX:Soybean
Start	22808	End	25279
GI	none	Score	94
Exons	22808..22879, 22984..23103, 22984..23097, 22986..23102, 23399..23464, 23875..23982, 23902..23979, 24042..24104, 24059..24103, 24251..24601, 24277..24618, 24279..24602, 24699..24902, 24700..24906, 24979..25278, 24982..25278, 25076..25279		

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89916	Strand	-
Start	29534	End	36521
Name	OJ000450_13.0410.C3.o8.tm	Method	TBLASTX:Maize
Start	22808	End	23928
GI	none	Score	114
Exons	22808..22879, 22810..22875, 22984..23103, 22986..23120, 22986..23099, 23399..23464, 23400..23468, 23869..23928, 23869..23922		

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89916	Strand	-
Start	29534	End	36521
Name	OJ000450_13.0410.C3.o5.tc	Method	TBLASTX:Cress
Start	22811	End	23118
GI	none	Score	101
Exons	22811..22879, 22814..22879, 22984..23103, 22986..23111,		

22986..23102, 23020..23118

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89916	Strand	-
Start	29534	End	36521
Name	OJ000450_13.0410.C3.o1.tm	Method	TBLASTX:Maize
Start	23929	End	25298
GI	none	Score	90

Exons 23929..23982, 23934..23981, 24042..24104, 24047..24121, 24231..24308, 24251..24601, 24279..24602, 24283..24612, 24699..24860, 24699..24860, 24700..24867, 24870..24905, 24871..24906, 24873..24908, 24979..25296, 24982..25281, 25206..25298, 25212..25298

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89916	Strand	-
Start	29534	End	36521
Name	OJ000450_13.0410.C3.o3.tc	Method	TBLASTX:Cress
Start	24321	End	24613
GI	none	Score	426

Exons 24321..24602, 24329..24601, 24332..24613

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89916	Strand	-
Start	29534	End	36521
Name	OJ000450_13.0410.C3.o2.ts	Method	TBLASTX:Soybean
Start	27028	End	27501
GI	none	Score	405

Exons 27028..27489, 27028..27501, 27125..27496

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89916	Strand	-
Start	29534	End	36521
Name	OJ000450_13.0410.C3.o2.tc	Method	TBLASTX:Cress
Start	27073	End	27420
GI	none	Score	202

Exons 27073..27420, 27112..27414, 27122..27418

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89916	Strand	-
Start	29534	End	36521
Name	OJ000450_13.0410.C3.o2.tm	Method	TBLASTX:Maize
Start	27073	End	27883
GI	none	Score	336

Exons 27073..27690, 27094..27678, 27140..27691, 27679..27882, 27680..27883

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89916	Strand	-
Start	29534	End	36521
Name	OJ000450_13.0410.C3.o1.tw	Method	TBLASTX:Wheat
Start	27187	End	27554
GI	none	Score	374

Exons 27187..27549, 27188..27550, 27192..27554

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89916	Strand	-

Start	29534	End	36521
Name	OJ000450_13.0410.C3.o1.tc	Method	TBLASTX:Cress
Start	27425	End	27924
GI	none	Score	200
Exons	27425..27634, 27440..27739, 27442..27924, 27451..27750, 27794..27916		

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89916	Strand	-
Start	29534	End	36521
Name	OJ000450_13.0410.C3.o6.ts	Method	TBLASTX:Soybean
Start	27502	End	27657
GI	none	Score	121
Exons	27502..27657, 27503..27619		

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89916	Strand	-
Start	29534	End	36521
Name	OJ000450_13.0410.C3.o3.ts	Method	TBLASTX:Soybean
Start	27658	End	28059
GI	none	Score	164
Exons	27658..27711, 27718..27984, 27719..28000, 27976..28053, 27985..28059		

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89916	Strand	-
Start	29534	End	36521
Name	OJ000450_13.0410.C3.o4.tm	Method	TBLASTX:Maize
Start	27919	End	28368
GI	none	Score	95
Exons	27919..27987, 27919..27996, 27926..28042, 27982..28059, 27988..28053, 28156..28368, 28157..28252, 28195..28323		

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89916	Strand	-
Start	29534	End	36521
Name	OJ000450_13.0410.C3.o7.gs	Method	GENSCAN
Start	29534	End	35428
GI	none	Score	.74
Exons	29534..29663, 30006..30196, 30229..30373, 30535..30593, 30734..30821, 32277..32300, 33079..33193, 33584..33697, 34599..34734, 34991..35074, 35180..35428		

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89916	Strand	-
Start	29534	End	36521
Name	OJ000450_13.0410.C3.o6.np	Method	AAT/NAP
Start	32342	End	36232
GI	7488433	Score	905
Exons	32342..32497, 33079..33193, 33379..33449, 33540..33713, 33769..33867, 33955..34043, 34599..34696, 34769..34902, 34991..35074, 35180..35302, 35331..35422, 36131..36232		
GI Descrip.	zinc finger protein homolog T10M13.22 - Arabidopsis thaliana gi\|3377805\|gb\|AAC28178.1\| (AF075597) contains similarity to several apoptosis or programmed cell death proteins such as rat apoptosis protein RP-8 (GB:M80601) [Arabidopsis thaliana] gi\|3912928\|gb\|AAC78712.1\| (AF001308) putative zinc finger		

protein [Arabidopsis thaliana] gi|7268982|emb|CAB80715.1| (AL161494) putati

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89916	Strand	-
Start	29534	End	36521
Name	OJ000450_13.0410.C3.o7.tm	Method	TBLASTX:Maize
Start	32408	End	33699
GI	none	Score	74
Exons	32408..32509, 32409..32495, 32410..32538, 32414..32506, 33076..33195, 33077..33199, 33077..33199, 33370..33450, 33378..33455, 33378..33449, 33540..33698, 33541..33699		

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89916	Strand	-
Start	29534	End	36521
Name	OJ000450_13.0410.C3.o7.gp	Method	AAT/GAP
Start	33522	End	34709
GI	LIB3431-021-P1-K1-B10	Score	787
Exons	33522..33697, 33774..33867, 33955..34043, 34599..34709		
GI Descrip.	'3377805 1.0e-39 (AF075597) contains similarity to several apoptosis or programmed cell death proteins such as rat apoptosis protein RP-8 (GB:M80601) [Arabidopsis thaliana] >gi_3912928_gb_AAC78712.1_ (AF001308) putative zinc finger protein [Arabidopsis thaliana]'		

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89916	Strand	-
Start	29534	End	36521
Name	OJ000450_13.0410.C3.o3.tm	Method	TBLASTX:Maize
Start	33767	End	35461
GI	none	Score	56
Exons	33767..33823, 33815..33871, 33815..33871, 33820..33888, 33951..34013, 33955..34011, 33955..34014, 34009..34044, 34010..34045, 34576..34698, 34590..34703, 34601..34699, 34769..34897, 34769..34903, 34771..34908, 34982..35080, 34988..35074, 34992..35075, 35168..35263, 35169..35264, 35333..35446, 35341..35460, 35342..35461		

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89916	Strand	-
Start	29534	End	36521
Name	OJ000450_13.0410.C3.o4.ts	Method	TBLASTX:Soybean
Start	34621	End	35263
GI	none	Score	59
Exons	34621..34698, 34625..34699, 34754..34885, 34771..34884, 34982..35074, 35001..35075, 35168..35263, 35169..35261		

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89916	Strand	-
Start	29534	End	36521
Name	OJ000450_13.0410.C3.o8.gp	Method	AAT/GAP
Start	35274	End	35460
GI	none	Score	351
Exons	35274..35460		

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3

Gene No.	89916	Strand	-
Start	29534	End	36521
Name	OJ000450_13.0410.C3.o7.ts	Method	TBLASTX:Soybean
Start	35702	End	36521
GI	none	Score	102
Exons	35702..35788, 35716..35781, 35877..35930, 35880..35930, 35982..36032, 36107..36241, 36108..36242, 36408..36521		

Seq. No.	42991	Seq. ID	OJ000450_13.0410.C3
Gene No.	89916	Strand	-
Start	29534	End	36521
Name	OJ000450_13.0410.C3.o9.tm	Method	TBLASTX:Maize
Start	35702	End	36472
GI	none	Score	129
Exons	35702..35788, 35716..35781, 35877..35942, 35880..35930, 35882..35941, 35982..36032, 35982..36020, 35993..36031, 36108..36164, 36119..36166, 36164..36235, 36164..36241, 36166..36237, 36180..36242, 36407..36472, 36408..36470		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89917	Strand	+
Start	219	End	5162
Name	OJ000450_13.0410.C4.o1.gs	Method	GENSCAN
Start	219	End	4903
GI	none	Score	.65
Exons	219..624, 753..920, 1572..1750, 3173..3247, 3343..3450, 4238..4439, 4608..4903		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89917	Strand	+
Start	219	End	5162
Name	OJ000450_13.0410.C4.o1.gp	Method	AAT/GAP
Start	4142	End	5162
GI	22910_1.R1084	Score	1622
Exons	4142..4439, 4608..5162		
GI Descrip.	'1408222/gb\|AAC12661.1\| 6.0e-49 (U60764) pathogenesis-related protein [Sorghum bicolor]'		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89917	Strand	+
Start	219	End	5162
Name	OJ000450_13.0410.C4.o1.np	Method	AAT/NAP
Start	4253	End	4900
GI	7442203	Score	586
Exons	4253..4439, 4608..4900		
GI Descrip.	pathogenesis-related protein - sorghum gi\|1408222\|gb\|AAC12661.1\| (U60764) pathogenesis-related protein [Sorghum bicolor]		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89918	Strand	+
Start	20659	End	20892
Name	OJ000450_13.0410.C4.o5.gp	Method	AAT/GAP
Start	20659	End	20892
GI	38782_1.R1084	Score	385
Exons	20659..20892		
GI Descrip.	'6069643/dbj\|AP000616.1\|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89919	Strand	+
Start	21299	End	23382
Name	OJ000450_13.0410.C4.o6.gs	Method	GENSCAN
Start	21299	End	23382
GI	none	Score	.43
Exons	21299..21373, 21716..21886, 23023..23382		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89920	Strand	+
Start	26520	End	27626
Name	OJ000450_13.0410.C4.o8.gs	Method	GENSCAN
Start	26520	End	27626
GI	none	Score	.79
Exons	26520..27626		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89920	Strand	+
Start	26520	End	27626
Name	OJ000450_13.0410.C4.o7.np	Method	AAT/NAP
Start	26532	End	27605
GI	7362746	Score	1439
Exons	26532..27605		
GI Descrip.	(AL162651) putative protein [Arabidopsis thaliana]		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89921	Strand	+
Start	28817	End	32415
Name	OJ000450_13.0410.C4.o9.gs	Method	GENSCAN
Start	28817	End	32415
GI	none	Score	.55
Exons	28817..28906, 29489..29565, 30366..30527, 32256..32415		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89922	Strand	+
Start	39950	End	43133
Name	OJ000450_13.0410.C4.o9.np	Method	AAT/NAP
Start	39950	End	43133
GI	7487380	Score	1520
Exons	39950..39974, 41222..43133		
GI Descrip.	hypothetical protein T24A18.60 - Arabidopsis thaliana gi\|4490707\|emb\|CAB38841.1\| (AL035680) putative protein [Arabidopsis thaliana] gi\|7269564\|emb\|CAB79566.1\| (AL161566) putative protein [Arabidopsis thaliana]		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89922	Strand	+
Start	39950	End	43133
Name	OJ000450_13.0410.C4.o12.gs	Method	GENSCAN
Start	41158	End	43122
GI	none	Score	.96
Exons	41158..43122		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89922	Strand	+
Start	39950	End	43133

Name	OJ000450_13.0410.C4.o6.gp	Method	AAT/GAP
Start	42174	End	42398
GI	45951_1.R1084	Score	408
Exons	42174..42398		
GI Descrip.	'4490707/emb\|CAB38841.1\| 4.0e-18 (AL035680) putative protein [Arabidopsis thaliana]'		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89923	Strand	+
Start	48678	End	57543
Name	OJ000450_13.0410.C4.o10.np	Method	AAT/NAP
Start	48678	End	54281
GI	7486979	Score	919
Exons	48678..48893, 49785..50073, 50173..51412, 54236..54281		
GI Descrip.	hypothetical protein T13K14.230 - Arabidopsis thaliana (fragment) gi\|5262797\|emb\|CAB45902.1\| (AL080282) putative protein (fragment) [Arabidopsis thaliana] gi\|7268904\|emb\|CAB79107.1\| (AL161554) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89923	Strand	+
Start	48678	End	57543
Name	OJ000450_13.0410.C4.o14.gs	Method	GENSCAN
Start	50086	End	57515
GI	none	Score	.68
Exons	50086..50254, 50351..51357, 52479..52702, 53132..53337, 53700..53862, 54209..54249, 55321..55472, 55557..56558, 57204..57515		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89923	Strand	+
Start	48678	End	57543
Name	OJ000450_13.0410.C4.o11.np	Method	AAT/NAP
Start	51361	End	53912
GI	7485249	Score	369
Exons	51361..51567, 52387..52702, 53132..53361, 53717..53912		
GI Descrip.	hypothetical protein A_IG002P16.22 - Arabidopsis thaliana gi\|2191173\|gb\|AAB61059.1\| (AF007270) contains similarity to DNA polymerase III, alpha chain (SP:P47277) [Arabidopsis thaliana]		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89923	Strand	+
Start	48678	End	57543
Name	OJ000450_13.0410.C4.o8.gp	Method	AAT/GAP
Start	52623	End	53343
GI	2799651	Score	397
Exons	52623..52702, 53132..53343		
GI Descrip.	2191173 3.0e-09 (AF007270) contains similarity to DNA polymerase III, alpha chain (SP:P47277) [Arabidopsis thaliana]		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89923	Strand	+
Start	48678	End	57543
Name	OJ000450_13.0410.C4.o12.np	Method	AAT/NAP
Start	56109	End	57543
GI	6715737	Score	272

Exons	56109..56534, 57032..57543		
GI Descrip.	(AC016447) putative zinc finger protein [Arabidopsis thaliana]		
Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89924	Strand	+
Start	59244	End	63710
Name	OJ000450_13.0410.C4.o13.np	Method	AAT/NAP
Start	59222	End	63710
GI	4185141	Score	602
Exons	59222..59313, 60027..60108, 60517..61161, 61261..61421, 61545..61742, 63682..63710		
GI Descrip.	(AC005724) putative calmodulin-binding protein [Arabidopsis thaliana]		
Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89924	Strand	+
Start	59244	End	63710
Name	OJ000450_13.0410.C4.o15.gs	Method	GENSCAN
Start	59244	End	62457
GI	none	Score	.93
Exons	59244..59437, 59699..59726, 59788..59915, 60027..60108, 60208..60260, 60674..61161, 61261..61421, 61545..61742, 61937..62102, 62201..62457		
Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89925	Strand	+
Start	63945	End	64222
Name	OJ000450_13.0410.C4.o9.gp	Method	AAT/GAP
Start	63945	End	64222
GI	2312333	Score	420
Exons	63945..64222		
Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89926	Strand	-
Start	5649	End	9496
Name	OJ000450_13.0410.C4.o2.np	Method	AAT/NAP
Start	5649	End	8848
GI	6714449	Score	1289
Exons	5649..5697, 6919..8586, 8777..8848		
GI Descrip.	(AC011620) putative pectinesterase [Arabidopsis thaliana]		
Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89926	Strand	-
Start	5649	End	9496
Name	OJ000450_13.0410.C4.o2.gs	Method	GENSCAN
Start	6925	End	8622
GI	none	Score	1
Exons	6925..8622		
Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89926	Strand	-
Start	5649	End	9496
Name	OJ000450_13.0410.C4.o3.np	Method	AAT/NAP
Start	6938	End	9496
GI	6523547	Score	105
Exons	6938..6975, 7363..7498, 7643..7717, 8777..8832, 9407..9496		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox		

carteri f. nagariensis]

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89926	Strand	-
Start	5649	End	9496
Name	OJ000450_13.0410.C4.o2.gp	Method	AAT/GAP
Start	8193	End	8650
GI	none	Score	881
Exons	8193..8650		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89927	Strand	-
Start	13151	End	15247
Name	OJ000450_13.0410.C4.o5.np	Method	AAT/NAP
Start	13151	End	15247
GI	6523547	Score	122
Exons	13151..13224, 14643..14746, 14796..15247		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89927	Strand	-
Start	13151	End	15247
Name	OJ000450_13.0410.C4.o3.gp	Method	AAT/GAP
Start	13644	End	15147
GI	5354_1.R1084	Score	1945
Exons	13644..14187, 14314..14370, 14515..14585, 14671..14749, 14869..15147		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89927	Strand	-
Start	13151	End	15247
Name	OJ000450_13.0410.C4.o4.np	Method	AAT/NAP
Start	13682	End	14967
GI	5902410	Score	122
Exons	13682..13781, 14106..14184, 14515..14585, 14671..14746, 14866..14967		
GI Descrip.	(AC008148) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89927	Strand	-
Start	13151	End	15247
Name	OJ000450_13.0410.C4.o4.gs	Method	GENSCAN
Start	14035	End	15009
GI	none	Score	.9
Exons	14035..14187, 14314..14370, 14515..14585, 14671..14749, 14869..15009		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89928	Strand	-
Start	17597	End	21866
Name	OJ000450_13.0410.C4.o5.gs	Method	GENSCAN
Start	17597	End	20903
GI	none	Score	.82
Exons	17597..18358, 18542..18598, 20175..20435, 20763..20903		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89928	Strand	-
Start	17597	End	21866
Name	OJ000450_13.0410.C4.o4.gp	Method	AAT/GAP
Start	19344	End	19502
GI	5667165	Score	260
Exons	19344..19502		
GI Descrip.	5670155/gb\|AF161269.1\|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89928	Strand	-
Start	17597	End	21866
Name	OJ000450_13.0410.C4.o6.np	Method	AAT/NAP
Start	19935	End	21866
GI	4680186	Score	173
Exons	19935..20353, 20853..20929, 21740..21866		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89929	Strand	-
Start	23993	End	25241
Name	OJ000450_13.0410.C4.o7.gs	Method	GENSCAN
Start	23993	End	25241
GI	none	Score	.59
Exons	23993..24135, 24573..24712, 25162..25241		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89930	Strand	-
Start	33664	End	35809
Name	OJ000450_13.0410.C4.o10.gs	Method	GENSCAN
Start	33664	End	35809
GI	none	Score	.51
Exons	33664..34153, 35122..35365, 35722..35809		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89930	Strand	-
Start	33664	End	35809
Name	OJ000450_13.0410.C4.o8.np	Method	AAT/NAP
Start	33683	End	35396
GI	6523547	Score	158
Exons	33683..34202, 35187..35396		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89931	Strand	-
Start	42997	End	43460
Name	OJ000450_13.0410.C4.o7.gp	Method	AAT/GAP
Start	42997	End	43460
GI	16875_1.R1084	Score	885
Exons	42997..43460		
GI Descrip.	'3249105 3.0e-12 (AC003114) Contains similarity to protein phosphatase 2C (ABI1) gb_X78886 from A. thaliana. [Arabidopsis thaliana]'		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89932	Strand	-
Start	47545	End	49245
Name	OJ000450_13.0410.C4.o13.gs	Method	GENSCAN
Start	47545	End	49245
GI	none	Score	.85
Exons	47545..47724, 47787..47982, 48880..48976, 49059..49245		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89933	Strand	-
Start	63083	End	67056
Name	OJ000450_13.0410.C4.o16.gs	Method	GENSCAN
Start	63083	End	67056
GI	none	Score	.69
Exons	63083..63131, 63179..63239, 64108..64137, 65585..65720, 66249..66466, 66567..67056		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89933	Strand	-
Start	63083	End	67056
Name	OJ000450_13.0410.C4.o14.np	Method	AAT/NAP
Start	64076	End	67053
GI	3249105	Score	1314
Exons	64076..64295, 65482..65720, 65821..65946, 66035..66142, 66249..66466, 66567..66738, 66844..67053		
GI Descrip.	(AC003114) Contains similarity to protein phosphatase 2C (ABI1) gb\|X78886 from A. thaliana. [Arabidopsis thaliana]		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89933	Strand	-
Start	63083	End	67056
Name	OJ000450_13.0410.C4.o10.gp	Method	AAT/GAP
Start	64230	End	65698
GI	427384	Score	476
Exons	64230..64295, 65482..65698		
GI Descrip.	3249105 3.0e-12 (AC003114) Contains similarity to protein phosphatase 2C (ABI1) gb_X78886 from A. thaliana. [Arabidopsis thaliana]		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o10.tm	Method	TBLASTX:Maize
Start	230	End	544
GI	none	Score	57
Exons	230..271, 231..269, 273..542, 274..543, 275..544		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o8.tw	Method	TBLASTX:Wheat
Start	4179	End	4675
GI	none	Score	156
Exons	4179..4337, 4238..4330, 4244..4480, 4246..4437, 4601..4675, 4607..4672		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4

Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o9.tm	Method	TBLASTX:Maize
Start	4243	End	4908
GI	none	Score	272
Exons	4243..4437, 4253..4438, 4601..4903, 4609..4905, 4723..4908		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o6.tw	Method	TBLASTX:Wheat
Start	4676	End	4908
GI	none	Score	339
Exons	4676..4903, 4684..4899, 4777..4908		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o5.tw	Method	TBLASTX:Wheat
Start	6907	End	7278
GI	none	Score	319
Exons	6907..7278, 6935..7258		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o2.tc	Method	TBLASTX:Cress
Start	6958	End	8187
GI	none	Score	300
Exons	6958..7899, 6959..7462, 7487..7894, 7918..7980, 8095..8187		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o3.tm	Method	TBLASTX:Maize
Start	6959	End	57418
GI	none	Score	48
Exons	6959..7015, 6968..7054, 7036..7899, 7067..7633, 7504..7692, 7697..7909, 7926..7967, 8128..8190, 8188..8316, 8284..8517, 57338..57418		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o8.ts	Method	TBLASTX:Soybean
Start	6970	End	7308
GI	none	Score	134
Exons	6970..7308, 6992..7306		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o12.tw	Method	TBLASTX:Wheat
Start	7283	End	7491
GI	none	Score	178
Exons	7283..7489, 7285..7491, 7285..7488, 7292..7489		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o3.ts	Method	TBLASTX:Soybean
Start	7312	End	8541
GI	none	Score	143
Exons	7312..7542, 7313..7522, 7507..7542, 7531..7941, 7697..7900, 7969..8121, 8000..8119, 8113..8541, 8117..8173		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o2.tw	Method	TBLASTX:Wheat
Start	7492	End	7942
GI	none	Score	404
Exons	7492..7941, 7493..7942		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o10.tc	Method	TBLASTX:Cress
Start	8218	End	8550
GI	none	Score	238
Exons	8218..8550		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o11.tw	Method	TBLASTX:Wheat
Start	13935	End	14726
GI	none	Score	96
Exons	13935..14057, 13946..14095, 13961..14077, 14044..14079, 14143..14190, 14145..14189, 14153..14194, 14314..14379, 14351..14389, 14514..14585, 14515..14586, 14644..14715, 14645..14716, 14672..14716, 14673..14726		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o14.tm	Method	TBLASTX:Maize
Start	14314	End	14949
GI	none	Score	57
Exons	14314..14379, 14316..14390, 14351..14389, 14513..14620, 14514..14624, 14515..14622, 14630..14716, 14658..14723, 14661..14723, 14665..14766, 14684..14755, 14685..14759, 14686..14760, 14869..14934, 14869..14949		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o2.ts	Method	TBLASTX:Soybean
Start	26777	End	27599
GI	none	Score	701
Exons	26777..27334, 26778..27338, 27347..27592, 27348..27599		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-

Start	67023	End	67335
Name	OJ000450_13.0410.C4.o3.tc	Method	TBLASTX:Cress
Start	26897	End	27425
GI	none	Score	600
Exons	26897..27004, 26898..27338, 27101..27334, 27348..27425, 27350..27424		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o4.tm	Method	TBLASTX:Maize
Start	26948	End	27572
GI	none	Score	405
Exons	26948..27004, 26949..27335, 27104..27334, 27152..27340, 27347..27562, 27348..27572		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o9.tc	Method	TBLASTX:Cress
Start	27426	End	27587
GI	none	Score	250
Exons	27426..27587, 27428..27586		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o13.tm	Method	TBLASTX:Maize
Start	41232	End	41418
GI	none	Score	151
Exons	41232..41360, 41232..41408, 41233..41418		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o1.ts	Method	TBLASTX:Soybean
Start	41233	End	43005
GI	none	Score	178
Exons	41233..41454, 41283..41402, 41469..41609, 41476..41733, 41764..42249, 41772..42248, 41999..42253, 42250..42546, 42258..42482, 42495..42803, 42496..42804, 42817..42873, 42819..42860, 42886..43005, 42894..43004		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o1.tc	Method	TBLASTX:Cress
Start	41296	End	43104
GI	none	Score	121
Exons	41296..41454, 41310..41408, 41479..41742, 41484..41744, 41763..42248, 41770..42249, 42256..42819, 42258..42815, 42817..42867, 42891..43007, 42895..43056, 42937..43104		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o10.tw	Method	TBLASTX:Wheat

Start	41437	End	41592
GI	none	Score	245
Exons	41437..41592, 41451..41591		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o16.tm	Method	TBLASTX:Maize
Start	41602	End	41946
GI	none	Score	44
Exons	41602..41703, 41778..41945, 41779..41946		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o1.tm	Method	TBLASTX:Maize
Start	41949	End	42677
GI	none	Score	1254
Exons	41949..42677, 41950..42675		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o3.tw	Method	TBLASTX:Wheat
Start	42141	End	42525
GI	none	Score	416
Exons	42141..42521, 42141..42521, 42142..42525		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o1.tw	Method	TBLASTX:Wheat
Start	42629	End	43011
GI	none	Score	229
Exons	42629..42898, 42629..43009, 42634..43011, 42636..43010		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o5.tm	Method	TBLASTX:Maize
Start	42678	End	43270
GI	none	Score	347
Exons	42678..42989, 42678..42989, 42679..42990, 42937..42996, 42991..43035, 43009..43032, 43023..43124, 43040..43126, 43041..43124, 43115..43198, 43117..43218, 43145..43228, 43238..43270		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o11.tm	Method	TBLASTX:Maize
Start	49924	End	50988
GI	none	Score	92
Exons	49924..50106, 50137..50370, 50146..50337, 50230..50610, 50284..50376, 50326..50919, 50326..50646, 50457..50516, 50463..50627, 50547..50912, 50914..50988		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o7.tc	Method	TBLASTX:Cress
Start	49927	End	50733
GI	none	Score	63
Exons	49927..50106, 50137..50307, 50137..50307, 50152..50628, 50211..50303, 50326..50376, 50329..50628, 50395..50619, 50460..50642, 50593..50733		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o7.tw	Method	TBLASTX:Wheat
Start	50143	End	50757
GI	none	Score	125
Exons	50143..50367, 50284..50757, 50454..50756		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o9.ts	Method	TBLASTX:Soybean
Start	50281	End	50874
GI	none	Score	78
Exons	50281..50418, 50581..50871, 50608..50874		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o4.tc	Method	TBLASTX:Cress
Start	50932	End	51449
GI	none	Score	69
Exons	50932..51000, 51046..51444, 51237..51449		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o6.ts	Method	TBLASTX:Soybean
Start	51076	End	51473
GI	none	Score	311
Exons	51076..51444, 51237..51473		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o8.tm	Method	TBLASTX:Maize
Start	51090	End	51699
GI	none	Score	517
Exons	51090..51443, 51094..51444, 51094..51453, 51467..51544, 51643..51699		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o6.tm	Method	TBLASTX:Maize
Start	52190	End	53928
GI	none	Score	41

Exons	52190..52222, 52190..52222, 52192..52227, 52230..52421, 52266..52706, 52310..52702, 53096..53338, 53130..53342, 53130..53357, 53698..53928, 53699..53920, 53704..53928		
Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o15.tm	Method	TBLASTX:Maize
Start	59880	End	60273
GI	none	Score	47
Exons	59880..59906, 59884..59913, 60021..60056, 60029..60106, 60029..60109, 60030..60110, 60182..60271, 60207..60272, 60208..60273		
Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o4.ts	Method	TBLASTX:Soybean
Start	60711	End	61745
GI	none	Score	393
Exons	60711..61160, 60711..60884, 60713..61159, 61256..61417, 61257..61424, 61545..61634, 61550..61642, 61550..61627, 61656..61745		
Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o7.tm	Method	TBLASTX:Maize
Start	60711	End	61640
GI	none	Score	384
Exons	60711..61160, 60713..61159, 61260..61424, 61265..61402, 61512..61640, 61547..61597		
Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o8.tc	Method	TBLASTX:Cress
Start	60942	End	61367
GI	none	Score	202
Exons	60942..61160, 60950..61159, 61260..61367, 61265..61366		
Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o9.tw	Method	TBLASTX:Wheat
Start	61059	End	61648
GI	none	Score	85
Exons	61059..61160, 61061..61159, 61243..61341, 61260..61424, 61265..61405, 61512..61640, 61550..61648, 61550..61621		
Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o2.tm	Method	TBLASTX:Maize
Start	63751	End	66720
GI	none	Score	61
Exons	63751..63807, 63764..63832, 63844..63876, 63915..63953,		

63921..63953, 63958..64038, 63960..64043, 64029..64298,
64073..64297, 65472..65549, 65481..65543, 65482..65550,
65538..65729, 65550..65744, 65567..65731, 65821..65940,
65826..65957, 65828..65947, 65830..65964, 66032..66142,
66033..66143, 66036..66143, 66047..66145, 66246..66464,
66246..66467, 66524..66718, 66562..66720, 66562..66720

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o6.tc	Method	TBLASTX:Cress
Start	64208	End	66074
GI	none	Score	86
Exons	64208..64297, 65481..65627, 65611..65727, 65613..65729, 65614..65727, 65634..65747, 65816..65938, 65830..65964, 65858..65950, 66032..66073, 66033..66074		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o4.tw	Method	TBLASTX:Wheat
Start	65587	End	66140
GI	none	Score	173
Exons	65587..65721, 65589..65762, 65589..65729, 65828..65947, 65830..65964, 65852..65950, 65853..65978, 66032..66139, 66033..66140		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o7.ts	Method	TBLASTX:Soybean
Start	65637	End	66080
GI	none	Score	65
Exons	65637..65729, 65650..65727, 65816..65947, 65830..65964, 65852..65950, 65925..65978, 66032..66079, 66033..66080		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o5.ts	Method	TBLASTX:Soybean
Start	66080	End	67014
GI	none	Score	89
Exons	66080..66142, 66081..66140, 66246..66467, 66249..66428, 66539..66748, 66562..66750, 66836..66928, 66841..67014		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o5.tc	Method	TBLASTX:Cress
Start	66613	End	67015
GI	none	Score	102
Exons	66613..66750, 66614..66748, 66619..66759, 66841..67014, 66848..67015		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335

Name	OJ000450_13.0410.C4.o12.tm	Method	TBLASTX:Maize
Start	66721	End	67020
GI	none	Score	45
Exons	66721..66750, 66725..66796, 66836..66946, 66841..67020		

Seq. No.	42992	Seq. ID	OJ000450_13.0410.C4
Gene No.	89934	Strand	-
Start	67023	End	67335
Name	OJ000450_13.0410.C4.o11.gp	Method	AAT/GAP
Start	67023	End	67335
GI	2311650	Score	517
Exons	67023..67335		

Seq. No.	42993	Seq. ID	OJ000450_13.0410.C5
Gene No.	89935	Strand	+
Start	1	End	1731
Name	OJ000450_13.0410.C5.o1.np	Method	AAT/NAP
Start	1	End	1731
GI	6063557	Score	194
Exons	1..33, 1188..1362, 1614..1731		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	42993	Seq. ID	OJ000450_13.0410.C5
Gene No.	89935	Strand	+
Start	1	End	1731
Name	OJ000450_13.0410.C5.o1.gs	Method	GENSCAN
Start	469	End	1367
GI	none	Score	.86
Exons	469..565, 1261..1367		

Seq. No.	42993	Seq. ID	OJ000450_13.0410.C5
Gene No.	89936	Strand	-
Start	1993	End	5967
Name	OJ000450_13.0410.C5.o2.gs	Method	GENSCAN
Start	1993	End	5842
GI	none	Score	.76
Exons	1993..2120, 4000..4121, 4736..5232, 5406..5594, 5679..5842		

Seq. No.	42993	Seq. ID	OJ000450_13.0410.C5
Gene No.	89936	Strand	-
Start	1993	End	5967
Name	OJ000450_13.0410.C5.o1.tw	Method	TBLASTX:Wheat
Start	3731	End	3978
GI	none	Score	67
Exons	3731..3814, 3735..3815, 3810..3962, 3813..3962, 3814..3978, 3814..3963, 3947..3970		

Seq. No.	42993	Seq. ID	OJ000450_13.0410.C5
Gene No.	89936	Strand	-
Start	1993	End	5967
Name	OJ000450_13.0410.C5.o2.tm	Method	TBLASTX:Maize
Start	3731	End	4865
GI	none	Score	162
Exons	3731..3766, 3764..3817, 3805..3957, 3806..3934, 3810..3971, 3810..3977, 3939..3986, 3943..4074, 3954..4070, 3962..4096, 4067..4123, 4071..4133, 4080..4133, 4729..4830, 4730..4831, 4797..4865, 4828..4863		

Seq. No.	42993	Seq. ID	OJ000450_13.0410.C5
Gene No.	89936	Strand	-
Start	1993	End	5967
Name	OJ000450_13.0410.C5.o2.np	Method	AAT/NAP
Start	4735	End	5967
GI	7487566	Score	360
Exons	4735..5225, 5476..5594, 5679..5842, 5936..5967		
GI Descrip.	hypothetical protein T30B22.20 - Arabidopsis thaliana gi\|2529677\|gb\|AAC62860.1\| (AC002535) putative kinesin heavy chain [Arabidopsis thaliana]		

Seq. No.	42993	Seq. ID	OJ000450_13.0410.C5
Gene No.	89936	Strand	-
Start	1993	End	5967
Name	OJ000450_13.0410.C5.o1.tm	Method	TBLASTX:Maize
Start	4893	End	5167
GI	none	Score	279
Exons	4893..5165, 4894..5166, 4907..5167, 5063..5167		

Seq. No.	42993	Seq. ID	OJ000450_13.0410.C5
Gene No.	89936	Strand	-
Start	1993	End	5967
Name	OJ000450_13.0410.C5.o1.tc	Method	TBLASTX:Cress
Start	5655	End	5966
GI	none	Score	114
Exons	5655..5849, 5673..5843, 5680..5844, 5934..5966		

Seq. No.	42993	Seq. ID	OJ000450_13.0410.C5
Gene No.	89936	Strand	-
Start	1993	End	5967
Name	OJ000450_13.0410.C5.o2.tw	Method	TBLASTX:Wheat
Start	5661	End	5966
GI	none	Score	52
Exons	5661..5783, 5670..5852, 5677..5844, 5934..5966		

Seq. No.	42993	Seq. ID	OJ000450_13.0410.C5
Gene No.	89936	Strand	-
Start	1993	End	5967
Name	OJ000450_13.0410.C5.o3.tm	Method	TBLASTX:Maize
Start	5670	End	5966
GI	none	Score	143
Exons	5670..5852, 5674..5844, 5934..5966		

Seq. No.	42994	Seq. ID	OJ000450_13.0410.C6
Gene No.	89937	Strand	+
Start	11637	End	21626
Name	OJ000450_13.0410.C6.o2.gs	Method	GENSCAN
Start	11637	End	14167
GI	none	Score	.83
Exons	11637..11743, 11951..12005, 12160..12381, 12458..12854, 13440..14167		

Seq. No.	42994	Seq. ID	OJ000450_13.0410.C6
Gene No.	89937	Strand	+
Start	11637	End	21626
Name	OJ000450_13.0410.C6.o2.np	Method	AAT/NAP

Start	12096	End	12485
GI	7486641	Score	346
Exons	12096..12485		
GI Descrip.	hypothetical protein F8B4.90 - Arabidopsis thaliana gi\|4049341\|emb\|CAA22566.1\| (AL034567) putative protein [Arabidopsis thaliana] gi\|7270143\|emb\|CAB79956.1\| (AL161581) putative protein [Arabidopsis thaliana]		

Seq. No.	42994	Seq. ID	OJ000450_13.0410.C6
Gene No.	89937	Strand	+
Start	11637	End	21626
Name	OJ000450_13.0410.C6.o4.np	Method	AAT/NAP
Start	13600	End	18164
GI	6634727	Score	389
Exons	13600..13656, 15493..16098, 18091..18164		
GI Descrip.	(AC012463) T2E6.12 [Arabidopsis thaliana]		

Seq. No.	42994	Seq. ID	OJ000450_13.0410.C6
Gene No.	89937	Strand	+
Start	11637	End	21626
Name	OJ000450_13.0410.C6.o3.gs	Method	GENSCAN
Start	14918	End	16105
GI	none	Score	.88
Exons	14918..14976, 15178..16105		

Seq. No.	42994	Seq. ID	OJ000450_13.0410.C6
Gene No.	89937	Strand	+
Start	11637	End	21626
Name	OJ000450_13.0410.C6.o3.np	Method	AAT/NAP
Start	15493	End	16267
GI	6634727	Score	380
Exons	15493..16114, 16248..16267		
GI Descrip.	(AC012463) T2E6.12 [Arabidopsis thaliana]		

Seq. No.	42994	Seq. ID	OJ000450_13.0410.C6
Gene No.	89937	Strand	+
Start	11637	End	21626
Name	OJ000450_13.0410.C6.o5.np	Method	AAT/NAP
Start	17696	End	21626
GI	6714443	Score	330
Exons	17696..17740, 19483..19638, 19681..20385, 20470..20760, 21591..21626		
GI Descrip.	(AC011620) unknown protein [Arabidopsis thaliana]		

Seq. No.	42994	Seq. ID	OJ000450_13.0410.C6
Gene No.	89937	Strand	+
Start	11637	End	21626
Name	OJ000450_13.0410.C6.o4.gs	Method	GENSCAN
Start	18388	End	18738
GI	none	Score	.71
Exons	18388..18738		

Seq. No.	42994	Seq. ID	OJ000450_13.0410.C6
Gene No.	89937	Strand	+
Start	11637	End	21626
Name	OJ000450_13.0410.C6.o5.gs	Method	GENSCAN
Start	19306	End	20482

GI	none	Score	.81
Exons	19306..20482		

Seq. No.	42994	Seq. ID	OJ000450_13.0410.C6
Gene No.	89937	Strand	+
Start	11637	End	21626
Name	OJ000450_13.0410.C6.o1.gp	Method	AAT/GAP
Start	19812	End	20322
GI	4715652	Score	877
Exons	19812..19851, 19900..20322		

Seq. No.	42994	Seq. ID	OJ000450_13.0410.C6
Gene No.	89937	Strand	+
Start	11637	End	21626
Name	OJ000450_13.0410.C6.o2.gp	Method	AAT/GAP
Start	20662	End	21626
GI	71359_1.R1084	Score	250
Exons	20662..20760, 21591..21626		
GI Descrip.	'3881722/emb\|CAA93426.1\| 2.0e-09 (Z69385) Similarity to Human XE169 protein (SW:XE169_HUMAN); cDNA EST EMBL:D27033 comes from this gene; cDNA EST EMBL:D27035 comes from this gene; cDNA EST EMBL:D27034 comes from this gene; cDNA EST EMBL:D27037 comes from thi'		

Seq. No.	42994	Seq. ID	OJ000450_13.0410.C6
Gene No.	89938	Strand	-
Start	1	End	7618
Name	OJ000450_13.0410.C6.o1.np	Method	AAT/NAP
Start	1	End	3401
GI	7487566	Score	1357
Exons	1..206, 372..512, 638..744, 822..995, 1111..1206, 1298..1379, 1956..2024, 2155..2228, 2345..2558, 2712..2855, 2967..3133, 3262..3401		
GI Descrip.	hypothetical protein T30B22.20 - Arabidopsis thaliana gi\|2529677\|gb\|AAC62860.1\| (AC002535) putative kinesin heavy chain [Arabidopsis thaliana]		

Seq. No.	42994	Seq. ID	OJ000450_13.0410.C6
Gene No.	89938	Strand	-
Start	1	End	7618
Name	OJ000450_13.0410.C6.o1.tc	Method	TBLASTX:Cress
Start	49	End	3137
GI	none	Score	72
Exons	49..213, 54..212, 54..224, 58..216, 310..522, 333..524, 334..522, 638..745, 639..746, 823..936, 824..937, 896..997, 943..1035, 1109..1234, 1110..1253, 1293..1379, 2412..2561, 2452..2559, 2472..2561, 2712..2819, 2716..2892, 2967..3137		

Seq. No.	42994	Seq. ID	OJ000450_13.0410.C6
Gene No.	89938	Strand	-
Start	1	End	7618
Name	OJ000450_13.0410.C6.o1.gs	Method	GENSCAN
Start	52	End	7618
GI	none	Score	.8
Exons	52..220, 347..512, 638..744, 822..995, 1111..1206, 1298..1379, 1465..1575, 2155..2226, 2316..2558, 2712..2858, 2991..3133, 3262..3445, 5672..5829, 5941..6060, 7573..7618		

Seq. No.	42994	Seq. ID	OJ000450_13.0410.C6
Gene No.	89938	Strand	-
Start	1	End	7618
Name	OJ000450_13.0410.C6.o1.ts	Method	TBLASTX:Soybean
Start	165	End	1379
GI	none	Score	62
Exons	165..212, 166..216, 333..506, 333..512, 334..519, 638..742, 639..746, 823..996, 827..874, 878..937, 950..1000, 1103..1207, 1107..1238, 1296..1379		

Seq. No.	42994	Seq. ID	OJ000450_13.0410.C6
Gene No.	89938	Strand	-
Start	1	End	7618
Name	OJ000450_13.0410.C6.o1.tm	Method	TBLASTX:Maize
Start	348	End	1208
GI	none	Score	214
Exons	348..512, 348..512, 349..513, 353..517, 638..745, 639..746, 639..746, 646..747, 667..747, 819..983, 823..984, 824..985, 1103..1207, 1107..1208		

Seq. No.	42994	Seq. ID	OJ000450_13.0410.C6
Gene No.	89938	Strand	-
Start	1	End	7618
Name	OJ000450_13.0410.C6.o5.tm	Method	TBLASTX:Maize
Start	1466	End	2390
GI	none	Score	118
Exons	1466..1579, 1468..1575, 1730..1822, 1731..1862, 1732..1833, 1953..2027, 1956..2027, 2143..2226, 2144..2227, 2316..2390, 2317..2382		

Seq. No.	42994	Seq. ID	OJ000450_13.0410.C6
Gene No.	89938	Strand	-
Start	1	End	7618
Name	OJ000450_13.0410.C6.o2.tm	Method	TBLASTX:Maize
Start	2527	End	3331
GI	none	Score	62
Exons	2527..2583, 2713..2799, 2715..2864, 2716..2865, 2928..3137, 2971..3138, 3263..3331		

Seq. No.	42994	Seq. ID	OJ000450_13.0410.C6
Gene No.	89938	Strand	-
Start	1	End	7618
Name	OJ000450_13.0410.C6.o3.ts	Method	TBLASTX:Soybean
Start	2721	End	3331
GI	none	Score	111
Exons	2721..2903, 2722..2856, 2935..3138, 2967..3137, 3257..3331		

Seq. No.	42994	Seq. ID	OJ000450_13.0410.C6
Gene No.	89939	Strand	
Start	12100	End	12508
Name	OJ000450_13.0410.C6.o3.tm	Method	TBLASTX:Maize
Start	12100	End	12508
GI	none	Score	182
Exons	12100..12168, 12108..12260, 12112..12261, 12256..12411, 12289..12408, 12370..12402, 12391..12483, 12410..12484, 12413..12508		

Seq. No.	42994	Seq. ID	OJ000450_13.0410.C6
Gene No.	89939	Strand	
Start	12100	End	12508
Name	OJ000450_13.0410.C6.o1.tw	Method	TBLASTX:Wheat
Start	12111	End	12411
GI	none	Score	182
Exons	12111..12260, 12112..12261, 12256..12411, 12289..12411		

Seq. No.	42994	Seq. ID	OJ000450_13.0410.C6
Gene No.	89939	Strand	
Start	12100	End	12508
Name	OJ000450_13.0410.C6.o4.ts	Method	TBLASTX:Soybean
Start	12289	End	12481
GI	none	Score	149
Exons	12289..12411, 12369..12410, 12391..12480, 12410..12481, 12413..12481		

Seq. No.	42994	Seq. ID	OJ000450_13.0410.C6
Gene No.	89940	Strand	
Start	13922	End	16123
Name	OJ000450_13.0410.C6.o6.tm	Method	TBLASTX:Maize
Start	13922	End	16123
GI	none	Score	228
Exons	13922..14170, 14017..14169, 15860..16123, 15878..16120		

Seq. No.	42994	Seq. ID	OJ000450_13.0410.C6
Gene No.	89941	Strand	
Start	20125	End	20625
Name	OJ000450_13.0410.C6.o7.tm	Method	TBLASTX:Maize
Start	20125	End	20559
GI	none	Score	56
Exons	20125..20190, 20169..20210, 20205..20312, 20215..20298, 20226..20312, 20345..20548, 20351..20497, 20404..20559, 20418..20558		

Seq. No.	42994	Seq. ID	OJ000450_13.0410.C6
Gene No.	89941	Strand	
Start	20125	End	20625
Name	OJ000450_13.0410.C6.o2.tw	Method	TBLASTX:Wheat
Start	20345	End	20625
GI	none	Score	72
Exons	20345..20404, 20345..20413, 20345..20404, 20345..20617, 20362..20487, 20448..20624, 20524..20625		

Seq. No.	42994	Seq. ID	OJ000450_13.0410.C6
Gene No.	89942	Strand	
Start	20529	End	21626
Name	OJ000450_13.0410.C6.o2.ts	Method	TBLASTX:Soybean
Start	20529	End	20772
GI	none	Score	302
Exons	20529..20762, 20530..20772		

Seq. No.	42994	Seq. ID	OJ000450_13.0410.C6
Gene No.	89942	Strand	
Start	20529	End	21626
Name	OJ000450_13.0410.C6.o4.tm	Method	TBLASTX:Maize

Start	20559	End	21626
GI	none	Score	297
Exons	20559..20762, 20560..20772, 21588..21626		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89943	Strand	+
Start	230	End	2122
Name	OJ000450_12.0410.C1.o1.gp	Method	AAT/GAP
Start	230	End	424
GI	11308_1.R1084	Score	345
Exons	230..424		
GI Descrip.	'6015437/dbj\|AB008112.1\|AB008112 2.0e-09 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89943	Strand	+
Start	230	End	2122
Name	OJ000450_12.0410.C1.o1.gs	Method	GENSCAN
Start	291	End	2122
GI	none	Score	.76
Exons	291..479, 1046..1121, 1501..1813, 1942..2122		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89943	Strand	+
Start	230	End	2122
Name	OJ000450_12.0410.C1.o1.np	Method	AAT/NAP
Start	967	End	1814
GI	6714314	Score	168
Exons	967..1121, 1501..1814		
GI Descrip.	(AC016972) putative isoprenylated protein [Arabidopsis thaliana]		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89944	Strand	+
Start	2440	End	2497
Name	OJ000450_12.0410.C1.o3.gp	Method	AAT/GAP
Start	2440	End	2497
GI	2312838	Score	75
Exons	2440..2497		
GI Descrip.	1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89945	Strand	+
Start	2934	End	7364
Name	OJ000450_12.0410.C1.o2.np	Method	AAT/NAP
Start	2934	End	7014
GI	7262697	Score	854
Exons	2934..3081, 3616..3783, 4048..4138, 4231..4283, 4381..4473, 4552..4623, 5195..5267, 5545..5590, 5833..5896, 5979..6032, 6108..6185, 6925..7014		
GI Descrip.	(AC012188) Contains similarity to an unknown protein from Arabidopsis thaliana gb\|AC005936.2. EST gb\|AI997527 comes from this gene		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89945	Strand	+
Start	2934	End	7364

Name	OJ000450_12.0410.C1.o4.gp	Method	AAT/GAP
Start	3398	End	6032
GI	29273_1.R1084	Score	1618
Exons	3398..3783, 4048..4138, 4231..4283, 4381..4473, 4552..4623, 5195..5267, 5545..5590, 5833..5897, 5979..6032		
GI Descrip.	'4455287/emb\|CAB36823.1\| 2.0e-35 (AL035527) putative protein [Arabidopsis thaliana]'		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89945	Strand	+
Start	2934	End	7364
Name	OJ000450_12.0410.C1.o5.gp	Method	AAT/GAP
Start	6007	End	7364
GI	40118_1.R1084	Score	1016
Exons	6007..6032, 6108..6185, 6925..7364		
GI Descrip.	'4038034 1.0e-20 (AC005936) unknown protein [Arabidopsis thaliana]'		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89946	Strand	+
Start	12620	End	13925
Name	OJ000450_12.0410.C1.o3.np	Method	AAT/NAP
Start	12620	End	13925
GI	6815099	Score	89
Exons	12620..12636, 13809..13925		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89947	Strand	+
Start	14172	End	24036
Name	OJ000450_12.0410.C1.o6.gp	Method	AAT/GAP
Start	14172	End	15456
GI	700385	Score	628
Exons	14172..14307, 15155..15272, 15357..15456		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89947	Strand	+
Start	14172	End	24036
Name	OJ000450_12.0410.C1.o4.gs	Method	GENSCAN
Start	14779	End	17759
GI	none	Score	.75
Exons	14779..14872, 15114..15272, 15357..15728, 16432..16885, 17151..17232, 17556..17759		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89947	Strand	+
Start	14172	End	24036
Name	OJ000450_12.0410.C1.o4.np	Method	AAT/NAP
Start	15386	End	24027
GI	4585976	Score	893
Exons	15386..15475, 21384..21440, 21543..21617, 21707..21818, 21964..22030, 22272..22572, 22680..22972, 23976..24027		
GI Descrip.	(AC005287) Unknown protein [Arabidopsis thaliana]		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89947	Strand	+
Start	14172	End	24036

Name	OJ000450_12.0410.C1.o7.gp	Method	AAT/GAP
Start	17196	End	17899
GI	3760217	Score	706
Exons	17196..17232, 17556..17899		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89947	Strand	+
Start	14172	End	24036
Name	OJ000450_12.0410.C1.o5.gs	Method	GENSCAN
Start	18725	End	24036
GI	none	Score	.87
Exons	18725..18974, 19554..19797, 20061..20172, 21707..21814, 21960..22030, 22272..22572, 22680..22972, 23976..24036		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89948	Strand	+
Start	32191	End	33293
Name	OJ000450_12.0410.C1.o7.gs	Method	GENSCAN
Start	32191	End	33293
GI	none	Score	.73
Exons	32191..32677, 33121..33293		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89949	Strand	+
Start	44068	End	45585
Name	OJ000450_12.0410.C1.o9.gs	Method	GENSCAN
Start	44068	End	45585
GI	none	Score	.72
Exons	44068..44282, 44895..45585		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89950	Strand	+
Start	48179	End	49230
Name	OJ000450_12.0410.C1.o11.gs	Method	GENSCAN
Start	48179	End	49230
GI	none	Score	.43
Exons	48179..48288, 48384..48484, 48572..48710, 48838..48940, 49198..49230		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89951	Strand	-
Start	1741	End	2135
Name	OJ000450_12.0410.C1.o2.gp	Method	AAT/GAP
Start	1741	End	2135
GI	uC-osflcyp086h03a1	Score	782
Exons	1741..2135		
GI Descrip.	'1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89952	Strand	-
Start	3383	End	9064
Name	OJ000450_12.0410.C1.o2.gs	Method	GENSCAN
Start	3383	End	9064
GI	none	Score	.68
Exons	3383..3790, 3966..4078, 6887..6979, 8632..8858, 8907..9064		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89953	Strand	-
Start	11014	End	14446
Name	OJ000450_12.0410.C1.o3.gs	Method	GENSCAN
Start	11014	End	14446
GI	none	Score	.57
Exons	11014..11121, 12891..13059, 14259..14446		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89954	Strand	-
Start	24677	End	42943
Name	OJ000450_12.0410.C1.o5.np	Method	AAT/NAP
Start	24677	End	27785
GI	6227015	Score	838
Exons	24677..24760, 24865..24974, 25133..25298, 25557..25661, 25869..25993, 26333..26404, 26494..26706, 26888..26942, 27259..27356, 27439..27570, 27708..27785		
GI Descrip.	(AC009513) F12P19.7 [Arabidopsis thaliana]		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89954	Strand	-
Start	24677	End	42943
Name	OJ000450_12.0410.C1.o6.gs	Method	GENSCAN
Start	25104	End	32020
GI	none	Score	.72
Exons	25104..25298, 25557..25661, 25764..25802, 25904..25993, 26494..26706, 27439..27736, 28342..30804, 30816..31127, 31261..31513, 31708..32020		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89954	Strand	-
Start	24677	End	42943
Name	OJ000450_12.0410.C1.o6.np	Method	AAT/NAP
Start	28116	End	33447
GI	6069646	Score	996
Exons	28116..29105, 29388..30193, 33333..33447		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89954	Strand	-
Start	24677	End	42943
Name	OJ000450_12.0410.C1.o9.np	Method	AAT/NAP
Start	28466	End	37686
GI	6227016	Score	764
Exons	28466..28489, 34080..34466, 34717..35116, 35220..35576, 35762..36039, 37530..37686		
GI Descrip.	(AC009513) Contains similarity to gb\|AF123310 NAC domain protein NAM gene from Arabidopsis thaliana		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89954	Strand	-
Start	24677	End	42943
Name	OJ000450_12.0410.C1.o8.np	Method	AAT/NAP

Start	29730	End	31274
GI	7484649	Score	584
Exons	29730..31274		
GI Descrip.	reverse transcriptase - beet retrotransposon (fragment) gi\|2462134\|emb\|CAA73798.1\| (Y13368) reverse transcriptase [Beta vulgaris]		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89954	Strand	-
Start	24677	End	42943
Name	OJ000450_12.0410.C1.o8.gs	Method	GENSCAN
Start	33729	End	42943
GI	none	Score	.67
Exons	33729..34393, 34520..34601, 34703..35116, 35220..35576, 35762..36039, 37530..37654, 37678..37772, 38571..38685, 41104..41152, 41296..41345, 41839..41947, 42883..42943		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89955	Strand	-
Start	45960	End	46331
Name	OJ000450_12.0410.C1.o8.gp	Method	AAT/GAP
Start	45813	End	46331
GI	666_7.R1084	Score	1003
Exons	45813..46331		
GI Descrip.	'122106/sp\|P02308\|H4_WHEAT 5.0e-42 HISTONE H4 >gi_70771_pir__HSZM4 histone H4 - maize >gi_81642_pir__S06904 histone H4 - Arabidopsis thaliana >gi_2119028_pir__S60475 histone H4 - garden pea >gi_21795_emb_CAA24924_ (X00043) histone H4 [Triticum aestivum] >gi_166740 (M17132) histone H4 [Arabidopsis thaliana] >gi_166742 (M17133) histone H4 [Arabidopsis thaliana] >gi_168499 (M36659) histon'		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89955	Strand	-
Start	45960	End	46331
Name	OJ000450_12.0410.C1.o10.gs	Method	GENSCAN
Start	45960	End	46271
GI	none	Score	.98
Exons	45960..46271		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89955	Strand	-
Start	45960	End	46331
Name	OJ000450_12.0410.C1.o10.np	Method	AAT/NAP
Start	45963	End	46316
GI	7504327	Score	519
Exons	45963..46316		
GI Descrip.	hypothetical protein F55G1.11 - Caenorhabditis elegans gi\|1326372\|gb\|AAB00649.1\| (U58750) Similar to Histone [Caenorhabditis elegans]		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89956	Strand	-
Start	49657	End	50931
Name	OJ000450_12.0410.C1.o12.gs	Method	GENSCAN
Start	49657	End	50931
GI	none	Score	.99

Exons	49657..50931		
Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o6.tm	Method	TBLASTX:Maize
Start	3687	End	4632
GI	none	Score	146
Exons	3687..3785, 3688..3786, 4021..4137, 4044..4139, 4047..4136, 4048..4137, 4230..4286, 4230..4283, 4369..4479, 4381..4473, 4389..4490, 4545..4619, 4547..4627, 4547..4618, 4548..4619, 4549..4626, 4552..4632		
Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o4.ts	Method	TBLASTX:Soybean
Start	3688	End	5267
GI	none	Score	131
Exons	3688..3786, 3690..3785, 4021..4137, 4047..4136, 4230..4286, 4378..4479, 4381..4473, 4551..4664, 4552..4632, 5192..5242, 5244..5267		
Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o9.tc	Method	TBLASTX:Cress
Start	4372	End	5290
GI	none	Score	150
Exons	4372..4473, 4375..4479, 4376..4480, 4548..4610, 4552..4632, 5155..5289, 5178..5270, 5192..5290		
Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o13.tm	Method	TBLASTX:Maize
Start	5180	End	7019
GI	none	Score	133
Exons	5180..5290, 5192..5272, 5537..5590, 5812..5898, 5813..5899, 5976..6041, 5978..6046, 5979..6035, 6100..6180, 6102..6188, 6107..6187, 6907..7017, 6918..7019, 6924..7019		
Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o6.ts	Method	TBLASTX:Soybean
Start	5813	End	7017
GI	none	Score	109
Exons	5813..5899, 5830..5898, 5978..6031, 5979..6035, 6102..6185, 6107..6172, 6907..7017, 6924..7010		
Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o8.tc	Method	TBLASTX:Cress
Start	5822	End	6996
GI	none	Score	124

Exons	5822..5899, 5824..5898, 5976..6041, 5979..6035, 6102..6188, 6106..6171, 6108..6185, 6907..6996, 6924..6995		
Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o5.tm	Method	TBLASTX:Maize
Start	15152	End	15653
GI	none	Score	99
Exons	15152..15220, 15154..15207, 15163..15222, 15209..15268, 15212..15271, 15216..15272, 15217..15273, 15357..15419, 15357..15428, 15358..15648, 15358..15573, 15504..15650, 15552..15653		
Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o18.tm	Method	TBLASTX:Maize
Start	21381	End	21817
GI	none	Score	103
Exons	21381..21440, 21383..21445, 21384..21443, 21542..21610, 21543..21620, 21704..21817, 21707..21778, 21723..21806		
Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o2.tm	Method	TBLASTX:Maize
Start	21960	End	22964
GI	none	Score	90
Exons	21960..22031, 22269..22571, 22270..22575, 22679..22915, 22680..22964, 22683..22943, 22912..22962		
Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o7.ts	Method	TBLASTX:Soybean
Start	21990	End	22503
GI	none	Score	66
Exons	21990..22031, 22261..22353, 22270..22353, 22349..22498, 22351..22503, 22362..22502, 22381..22503		
Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o1.tc	Method	TBLASTX:Cress
Start	22351	End	24027
GI	none	Score	260
Exons	22351..22578, 22356..22607, 22357..22575, 22679..22933, 22680..22952, 22950..22973, 23962..24027		
Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o3.ts	Method	TBLASTX:Soybean
Start	22504	End	24027
GI	none	Score	64
Exons	22504..22575, 22679..22948, 22680..22961, 23925..24011,		

23974..24027

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o14.tm	Method	TBLASTX:Maize
Start	24639	End	24918
GI	none	Score	119
Exons	24639..24803, 24650..24838, 24651..24755, 24653..24838, 24865..24918, 24874..24918		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o15.tm	Method	TBLASTX:Maize
Start	26618	End	27538
GI	none	Score	108
Exons	26618..26707, 26620..26763, 26621..26707, 27230..27358, 27255..27359, 27255..27356, 27256..27423, 27439..27513, 27439..27528, 27497..27538		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o10.tc	Method	TBLASTX:Cress
Start	27252	End	27538
GI	none	Score	74
Exons	27252..27356, 27253..27357, 27409..27513, 27439..27528, 27497..27538		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o9.ts	Method	TBLASTX:Soybean
Start	27270	End	27538
GI	none	Score	99
Exons	27270..27356, 27271..27360, 27439..27528, 27448..27513, 27494..27538		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o9.tw	Method	TBLASTX:Wheat
Start	28134	End	56754
GI	none	Score	80
Exons	28134..28307, 28386..28535, 56572..56754		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o11.tm	Method	TBLASTX:Maize
Start	28323	End	28604
GI	none	Score	132
Exons	28323..28604, 28386..28598		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-

Start	51777	End	58793
Name	OJ000450_12.0410.C1.o8.tw	Method	TBLASTX:Wheat
Start	28542	End	28931
GI	none	Score	78
Exons	28542..28694, 28752..28931		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o16.tm	Method	TBLASTX:Maize
Start	28935	End	29160
GI	none	Score	114
Exons	28935..29159, 28936..29160		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o8.ts	Method	TBLASTX:Soybean
Start	29010	End	29552
GI	none	Score	54
Exons	29010..29141, 29035..29142, 29254..29421	29172..29195, 29202..29552,	

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o2.tw	Method	TBLASTX:Wheat
Start	29091	End	29531
GI	none	Score	46
Exons	29091..29249, 29095..29184, 29235..29531, 29239..29529		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o3.tm	Method	TBLASTX:Maize
Start	29164	End	29846
GI	none	Score	75
Exons	29164..29442, 29172..29846, 29521..29679, 29704..29808		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o8.tm	Method	TBLASTX:Maize
Start	29847	End	30212
GI	none	Score	230
Exons	29847..30212, 29848..30201		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o7.tw	Method	TBLASTX:Wheat
Start	29958	End	30293
GI	none	Score	83
Exons	29958..30140, 30141..30293		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-

Start	51777	End	58793
Name	OJ000450_12.0410.C1.o9.tm	Method	TBLASTX:Maize
Start	30364	End	30803
GI	none	Score	149
Exons	30364..30780, 30372..30803		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o19.tm	Method	TBLASTX:Maize
Start	31014	End	31259
GI	none	Score	142
Exons	31014..31118, 31122..31259		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o17.tm	Method	TBLASTX:Maize
Start	35211	End	35352
GI	none	Score	178
Exons	35211..35351, 35214..35345, 35218..35352, 35218..35352		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o5.ts	Method	TBLASTX:Soybean
Start	35487	End	37677
GI	none	Score	118
Exons	35487..35600, 35753..36037, 35777..36016, 35811..36017, 37516..37677, 37529..37666		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o6.tc	Method	TBLASTX:Cress
Start	35732	End	37686
GI	none	Score	183
Exons	35732..36034, 35768..36010, 35811..36017, 37534..37686, 37535..37666, 37537..37686		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o3.tw	Method	TBLASTX:Wheat
Start	35750	End	36019
GI	none	Score	118
Exons	35750..36019, 35786..36016, 35814..36017		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o10.tm	Method	TBLASTX:Maize
Start	35804	End	37687
GI	none	Score	225
Exons	35804..36040, 35805..36041, 35811..36041, 37517..37684, 37531..37686, 37532..37687		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o2.ts	Method	TBLASTX:Soybean
Start	45939	End	46227
GI	none	Score	306
Exons	45939..46208, 45946..46227		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o1.tw	Method	TBLASTX:Wheat
Start	45942	End	46227
GI	none	Score	397
Exons	45942..46208, 45946..46227		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o4.tm	Method	TBLASTX:Maize
Start	45945	End	46279
GI	none	Score	410
Exons	45945..46208, 45946..46227, 46202..46279, 46244..46276		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o2.tc	Method	TBLASTX:Cress
Start	45957	End	46227
GI	none	Score	324
Exons	45957..46208, 45964..46227		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o7.tm	Method	TBLASTX:Maize
Start	51736	End	52801
GI	none	Score	200
Exons	51736..52005, 51764..52015, 51777..52022, 51784..52023, 52664..52801, 52666..52794		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o1.ts	Method	TBLASTX:Soybean
Start	51756	End	58278
GI	none	Score	137
Exons	51756..52022, 51759..52013, 51766..52014, 52661..52852, 52668..52862, 53248..53370, 53291..53359, 53888..54004, 53892..54008, 53909..54013, 53910..54014, 54098..54256, 54099..54257, 54100..54276, 54104..54259, 54323..54424, 54327..54422, 54507..54623, 54511..54621, 55016..55126, 55021..55176, 55022..55177, 55745..55816, 57181..57363, 57182..57364, 57183..57362, 57186..57377, 57188..57364, 58222..58278		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1

Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o13.gs	Method	GENSCAN
Start	51777	End	57295
GI	none	Score	.9
Exons	51777..52013, 52667..52849, 53251..53370, 53910..54012, 54099..54257, 54333..54421, 54507..54620, 55018..55176, 55769..55816, 57293..57295		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o3.tc	Method	TBLASTX:Cress
Start	51777	End	52732
GI	none	Score	117
Exons	51777..52022, 51783..51971, 51784..52014, 52661..52732		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o12.np	Method	AAT/NAP
Start	51780	End	58793
GI	4588012	Score	1732
Exons	51780..52013, 52667..52849, 52940..52990, 53251..53370, 53910..54012, 54099..54257, 54333..54421, 54507..54620, 55018..55176, 55769..55816, 57186..57362, 58225..58282, 58770..58793		
GI Descrip.	(AF085717) putative callose synthase catalytic subunit [Gossypium hirsutum]		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o5.tw	Method	TBLASTX:Wheat
Start	51789	End	52816
GI	none	Score	72
Exons	51789..51899, 51796..52014, 51798..52022, 52661..52816		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o9.gp	Method	AAT/GAP
Start	51912	End	54009
GI	2799887	Score	875
Exons	51912..52013, 52667..52849, 52940..52990, 53251..53370, 53910..54009		
GI Descrip.	4588012/gb\|AAD25952.1\|AF085717_1 4.0e-43 (AF085717) putative callose synthase catalytic subunit [Gossypium hirsutum]		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o1.tm	Method	TBLASTX:Maize
Start	52947	End	55153
GI	none	Score	139
Exons	52947..52997, 53243..53368, 53248..53367, 53910..54011, 53910..54014, 53911..54021, 54098..54256, 54099..54254,		

54104..54259, 54323..54424, 54331..54429, 54333..54425,
54507..54620, 54507..54629, 54508..54630, 54508..54630,
54509..54634, 55009..55152, 55016..55153, 55017..55151,
55019..55153

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o4.tc	Method	TBLASTX:Cress
Start	53913	End	54251
GI	none	Score	51
Exons	53913..54014, 53947..54009, 54098..54250, 54099..54251		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o5.tc	Method	TBLASTX:Cress
Start	54315	End	55125
GI	none	Score	90
Exons	54315..54425, 54320..54424, 54329..54451, 54507..54623, 54508..54612, 55016..55123, 55021..55125, 55028..55123		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o4.tw	Method	TBLASTX:Wheat
Start	54332	End	54621
GI	none	Score	98
Exons	54332..54424, 54333..54422, 54507..54620, 54511..54621		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o10.gp	Method	AAT/GAP
Start	54377	End	55800
GI	4878427	Score	596
Exons	54377..54421, 54507..54620, 55018..55176, 55769..55800		
GI Descrip.	4588012/gb\|AAD25952.1\|AF085717_1 3.0e-43 (AF085717) putative callose synthase catalytic subunit [Gossypium hirsutum]		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o6.tw	Method	TBLASTX:Wheat
Start	55012	End	57320
GI	none	Score	214
Exons	55012..55176, 55019..55177, 55767..55835, 55768..55818, 57181..57306, 57181..57300, 57183..57320		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o7.tc	Method	TBLASTX:Cress
Start	55595	End	58278
GI	none	Score	129
Exons	55595..55636, 55745..55816, 57162..57356, 57181..57390, 57183..57356, 57187..57357, 58222..58278		

Seq. No.	42995	Seq. ID	OJ000450_12.0410.C1
Gene No.	89957	Strand	-
Start	51777	End	58793
Name	OJ000450_12.0410.C1.o12.tm	Method	TBLASTX:Maize
Start	55767	End	58280
GI	none	Score	75
Exons	55767..55835, 55768..55818, 57181..57363, 57183..57362, 57194..57364, 58217..58279, 58221..58280, 58222..58278		

Seq. No.	42996	Seq. ID	OJ000450_12.0410.C2
Gene No.	89958	Strand	-
Start	1	End	4198
Name	OJ000450_12.0410.C2.o1.np	Method	AAT/NAP
Start	1	End	4198
GI	4588012	Score	1312
Exons	1..101, 192..307, 752..871, 1259..1373, 1547..1727, 1811..1879, 2168..2302, 2540..2649, 3455..3615, 3727..3813, 3924..4025, 4157..4198		
GI Descrip.	(AF085717) putative callose synthase catalytic subunit [Gossypium hirsutum]		

Seq. No.	42996	Seq. ID	OJ000450_12.0410.C2
Gene No.	89958	Strand	-
Start	1	End	4198
Name	OJ000450_12.0410.C2.o1.tc	Method	TBLASTX:Cress
Start	17	End	835
GI	none	Score	72
Exons	17..79, 18..77, 165..308, 179..310, 194..310, 750..833, 752..835		

Seq. No.	42996	Seq. ID	OJ000450_12.0410.C2
Gene No.	89958	Strand	-
Start	1	End	4198
Name	OJ000450_12.0410.C2.o1.ts	Method	TBLASTX:Soybean
Start	17	End	878
GI	none	Score	120
Exons	17..103, 18..119, 168..308, 179..310, 183..308, 200..310, 704..874, 750..878, 750..872, 752..874		

Seq. No.	42996	Seq. ID	OJ000450_12.0410.C2
Gene No.	89958	Strand	-
Start	1	End	4198
Name	OJ000450_12.0410.C2.o1.gs	Method	GENSCAN
Start	18	End	4025
GI	none	Score	.77
Exons	18..101, 1547..1727, 1811..1879, 2168..2302, 2540..2649, 3455..3615, 3727..3817, 3928..4025		

Seq. No.	42996	Seq. ID	OJ000450_12.0410.C2
Gene No.	89958	Strand	-
Start	1	End	4198
Name	OJ000450_12.0410.C2.o2.tm	Method	TBLASTX:Maize
Start	21	End	2247
GI	none	Score	134
Exons	21..134, 23..103, 168..308, 174..308, 179..310, 193..309, 741..872, 742..873, 750..878, 752..874, 1254..1322, 1257..1379, 1259..1372, 1259..1387, 1534..1695, 1544..1696, 1797..1880,		

1812..1880, 1813..1881, 2164..2247, 2169..2246

Seq. No.	42996	Seq. ID	OJ000450_12.0410.C2
Gene No.	89958	Strand	-
Start	1	End	4198
Name	OJ000450_12.0410.C2.o2.ts	Method	TBLASTX:Soybean
Start	1824	End	2313
GI	none	Score	86
Exons	1824..1880, 1826..1882, 1827..1883, 2164..2313, 2169..2303		

Seq. No.	42996	Seq. ID	OJ000450_12.0410.C2
Gene No.	89958	Strand	-
Start	1	End	4198
Name	OJ000450_12.0410.C2.o1.gp	Method	AAT/GAP
Start	2534	End	4007
GI	53784_1.R1084	Score	792
Exons	2534..2649, 3455..3615, 3727..3817, 3928..4007		
GI Descrip.	'4588012/gb\|AAD25952.1\|AF085717_1 4.0e-43 (AF085717) putative callose synthase catalytic subunit [Gossypium hirsutum]'		

Seq. No.	42996	Seq. ID	OJ000450_12.0410.C2
Gene No.	89958	Strand	-
Start	1	End	4198
Name	OJ000450_12.0410.C2.o1.tm	Method	TBLASTX:Maize
Start	2586	End	4020
GI	none	Score	201
Exons	2586..2651, 3455..3616, 3456..3617, 3457..3615, 3467..3619, 3701..3820, 3709..3858, 3727..3879, 3929..4015, 3930..4016, 3930..4019, 3967..4020		

Seq. No.	42997	Seq. ID	OJ000450_12.0410.C3
Gene No.	89959	Strand	-
Start	1	End	1475
Name	OJ000450_12.0410.C3.o1.np	Method	AAT/NAP
Start	1	End	1475
GI	4588012	Score	273
Exons	1..74, 818..938, 1050..1210, 1325..1475		
GI Descrip.	(AF085717) putative callose synthase catalytic subunit [Gossypium hirsutum]		

Seq. No.	42997	Seq. ID	OJ000450_12.0410.C3
Gene No.	89959	Strand	-
Start	1	End	1475
Name	OJ000450_12.0410.C3.o1.gs	Method	GENSCAN
Start	767	End	1210
GI	none	Score	.98
Exons	767..938, 1050..1210		

Seq. No.	42997	Seq. ID	OJ000450_12.0410.C3
Gene No.	89959	Strand	-
Start	1	End	1475
Name	OJ000450_12.0410.C3.o1.tm	Method	TBLASTX:Maize
Start	814	End	1098
GI	none	Score	114
Exons	814..939, 818..943, 818..937, 820..939, 822..947, 1049..1096, 1049..1096, 1050..1097, 1051..1098		

Seq. No.	42998	Seq. ID	OJ000450_12.0410.C6
Gene No.	89960	Strand	-
Start	1	End	7436
Name	OJ000450_12.0410.C6.o1.np	Method	AAT/NAP
Start	1	End	7436
GI	6642649	Score	1082
Exons	1..89, 738..791, 1061..1142, 1219..1421, 1528..1708, 1949..2072, 2184..2286, 2781..2897, 3408..3486, 3573..3649, 3738..3863, 5200..5317, 5409..5506, 5757..5845, 7396..7436		
GI Descrip.	(AC012395) putative glucan synthase [Arabidopsis thaliana]		

Seq. No.	42998	Seq. ID	OJ000450_12.0410.C6
Gene No.	89960	Strand	-
Start	1	End	7436
Name	OJ000450_12.0410.C6.o1.tm	Method	TBLASTX:Maize
Start	1218	End	1686
GI	none	Score	57
Exons	1218..1271, 1219..1281, 1223..1282, 1366..1422, 1366..1422, 1368..1424, 1512..1673, 1512..1685, 1528..1686, 1528..1686		

Seq. No.	42998	Seq. ID	OJ000450_12.0410.C6
Gene No.	89960	Strand	-
Start	1	End	7436
Name	OJ000450_12.0410.C6.o1.gs	Method	GENSCAN
Start	1504	End	6043
GI	none	Score	.5
Exons	1504..1700, 2184..2286, 2781..2912, 3738..3863, 5200..5317, 5757..6043		

Seq. No.	42998	Seq. ID	OJ000450_12.0410.C6
Gene No.	89960	Strand	-
Start	1	End	7436
Name	OJ000450_12.0410.C6.o1.gp	Method	AAT/GAP
Start	6929	End	7086
GI	5455363	Score	112
Exons	6929..6956, 7020..7086		
GI Descrip.	3176667 1.0e-17 (AC004393) Similar to hypothetical 41.9KD protein gb_1001369 from sequence of Synechocystis sp. gb_D64006. [Arabidopsis thaliana]		

Seq. No.	42999	Seq. ID	OJ000450_12.0410.C7
Gene No.	89961	Strand	+
Start	5054	End	5755
Name	OJ000450_12.0410.C7.o2.gs	Method	GENSCAN
Start	5054	End	5755
GI	none	Score	.68
Exons	5054..5095, 5362..5493, 5639..5755		

Seq. No.	42999	Seq. ID	OJ000450_12.0410.C7
Gene No.	89962	Strand	+
Start	10930	End	14531
Name	OJ000450_12.0410.C7.o4.gs	Method	GENSCAN
Start	10930	End	14531
GI	none	Score	.49
Exons	10930..11049, 13357..13630, 14521..14531		

Seq. No.	42999	Seq. ID	OJ000450_12.0410.C7

Gene No.	89963	Strand	-
Start	1	End	3650
Name	OJ000450_12.0410.C7.o1.np	Method	AAT/NAP
Start	1	End	3650
GI	4588012	Score	593
Exons	1..71, 1213..1309, 1465..1628, 2104..2201, 3452..3650		
GI Descrip.	(AF085717) putative callose synthase catalytic subunit [Gossypium hirsutum]		

Seq. No.	42999	Seq. ID	OJ000450_12.0410.C7
Gene No.	89963	Strand	-
Start	1	End	3650
Name	OJ000450_12.0410.C7.o1.gs	Method	GENSCAN
Start	1428	End	3650
GI	none	Score	.71
Exons	1428..1628, 2313..2365, 3452..3650		

Seq. No.	42999	Seq. ID	OJ000450_12.0410.C7
Gene No.	89963	Strand	-
Start	1	End	3650
Name	OJ000450_12.0410.C7.o1.gp	Method	AAT/GAP
Start	3026	End	3217
GI	533_1.R1084	Score	191
Exons	3026..3079, 3102..3217		
GI Descrip.	'113172/sp\|P15543\|ACP3_HORVU 9.0e-52 ACYL CARRIER PROTEIN III PRECURSOR (ACP III) >gi_100561_pir__S17928 acyl carrier protein 3 - barley >gi_166971 (M58754) acyl carrier protein III [Hordeum vulgare]'		

Seq. No.	42999	Seq. ID	OJ000450_12.0410.C7
Gene No.	89964	Strand	-
Start	6274	End	9634
Name	OJ000450_12.0410.C7.o3.gs	Method	GENSCAN
Start	6274	End	9634
GI	none	Score	.6
Exons	6274..6350, 6770..6856, 7160..7398, 7536..7698, 9496..9634		

Seq. No.	42999	Seq. ID	OJ000450_12.0410.C7
Gene No.	89965	Strand	-
Start	15172	End	16167
Name	OJ000450_12.0410.C7.o5.gs	Method	GENSCAN
Start	15172	End	16167
GI	none	Score	.66
Exons	15172..15432, 15853..16167		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89966	Strand	+
Start	1	End	11730
Name	OJ000450_12.0410.C8.o1.gp	Method	AAT/GAP
Start	1	End	346
GI	none	Score	684
Exons	1..346		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89966	Strand	+
Start	1	End	11730
Name	OJ000450_12.0410.C8.o1.gs	Method	GENSCAN

Start	56	End	11730
GI	none	Score	.5
Exons	56..2208, 2217..2389, 3872..3915, 4094..4115, 5067..6097, 6748..6786, 6886..7134, 7375..7522, 7749..7897, 8029..8199, 8232..8498, 8576..8776, 8953..9161, 9781..10078, 10539..10786, 10889..11075, 11608..11730		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89966	Strand	+
Start	1	End	11730
Name	OJ000450_12.0410.C8.o1.np	Method	AAT/NAP
Start	74	End	2311
GI	7435661	Score	1574
Exons	74..2311		
GI Descrip.	subtilisin-like proteinase (EC 3.4.21.-) p69f - tomato gi\|3183991\|emb\|CAA06414.1\| (AJ005173) P69F protein [Lycopersicon esculentum]		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89966	Strand	+
Start	1	End	11730
Name	OJ000450_12.0410.C8.o2.gp	Method	AAT/GAP
Start	1401	End	1939
GI	uC-osflcyp153g10b1	Score	984
Exons	1401..1939		
GI Descrip.	'3183991/emb\|CAA06414.1\| 3.0e-44 (AJ005173) P69F protein [Lycopersicon esculentum]'		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89966	Strand	+
Start	1	End	11730
Name	OJ000450_12.0410.C8.o2.np	Method	AAT/NAP
Start	5219	End	8866
GI	1871182	Score	2746
Exons	5219..6097, 6317..6433, 6592..6802, 6902..7134, 7219..7287, 7375..7537, 7749..7897, 8029..8199, 8301..8498, 8576..8866		
GI Descrip.	(U90439) phospholipase D [Arabidopsis thaliana]		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89966	Strand	+
Start	1	End	11730
Name	OJ000450_12.0410.C8.o4.gp	Method	AAT/GAP
Start	9891	End	10990
GI	none	Score	1036
Exons	9891..10078, 10539..10786, 10889..10990		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89967	Strand	-
Start	1968	End	2543
Name	OJ000450_12.0410.C8.o3.gp	Method	AAT/GAP
Start	1968	End	2543
GI	40775_1.R1084	Score	1081
Exons	1968..2543		
GI Descrip.	'3193320 8.0e-10 (AF069299) contains similarity to the subtilase family of serine proteases (Pfam: subtilase.hmm, score: 47.57); strong similarity to Cucumis melo (muskmelon) cucumisin (GB:D32206) [Arabidopsis thaliana]'		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89968	Strand	-
Start	11276	End	34139
Name	OJ000450_12.0410.C8.o3.np	Method	AAT/NAP
Start	11276	End	14480
GI	128769	Score	130
Exons	11276..11434, 14448..14480		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 5, CHLOROPLAST gi\|66190\|pir\|\|DERZN5 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 5 - rice chloroplast gi\|12047\|emb\|CAA33950\| (X15901) NADH dehydrogenase ND5 [Oryza sativa] gi\|226667\|prf\|\|1603356CU NADH dehydrogenase ND5 [Oryza sativa]		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89968	Strand	-
Start	11276	End	34139
Name	OJ000450_12.0410.C8.o2.gs	Method	GENSCAN
Start	12770	End	34139
GI	none	Score	.66
Exons	12770..12976, 13013..13245, 14529..15119, 16826..16982, 17096..17245, 17338..17478, 17564..17651, 17771..17826, 18203..18278, 18364..18437, 18555..18713, 19032..19175, 19261..19393, 19696..19802, 21128..21290, 21678..21845, 23104..23274, 26265..26839, 26906..27318, 27329..27348, 27389..28043, 28058..28079, 28115..28150, 28296..28421, 28647..28694, 30433..30525, 30762..30878, 30987..31082, 31512..31577, 31680..31754, 31942..32018, 32080..32214, 33103..33253, 33600..33720, 33775..34139		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89968	Strand	-
Start	11276	End	34139
Name	OJ000450_12.0410.C8.o5.gp	Method	AAT/GAP
Start	16548	End	17678
GI	32604_1.R1084	Score	1471
Exons	16548..16982, 17096..17245, 17338..17478, 17564..17678		
GI Descrip.	'1708236/sp\|P54873\|HMCS_ARATH 8.0e-61 HYDROXYMETHYLGLUTARYL-COA SYNTHASE (HMG-COA SYNTHASE) (3-HYDROXY-3-METHYLGLUTARYL COENZYME A SYNTHASE) >gi_2129617_pir__JC4567 hydroxymethylglutaryl-CoA synthase (EC 4.1.3.5) - Arabidopsis thaliana >gi_1143390_emb_CAA58763_ (X83882) hydroxymethylglutaryl-CoA synthase [Arabidopsis thaliana] >gi_1586548_prf__2204245A hydroxy methylglutaryl CoA synt'		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89968	Strand	-
Start	11276	End	34139
Name	OJ000450_12.0410.C8.o5.np	Method	AAT/NAP
Start	16794	End	21190
GI	1708236	Score	1512
Exons	16794..16982, 17096..17245, 17338..17478, 17564..17651, 17771..17826, 18203..18278, 18364..18437, 18555..18713, 19032..19175, 19261..19393, 19696..19802, 21128..21190		
GI Descrip.	HYDROXYMETHYLGLUTARYL-COA SYNTHASE (HMG-COA SYNTHASE) (3-HYDROXY-3-METHYLGLUTARYL COENZYME A SYNTHASE) gi\|2129617\|pir\|\|JC4567 hydroxymethylglutaryl-CoA synthase (EC		

4.1.3.5) - Arabidopsis thaliana gi|1143390|emb|CAA58763.1| (X83882) hydroxymethylglutaryl-CoA synthase [Arabidopsis thaliana] gi|1586548|prf||2204245A hydroxy methylglutaryl CoA synthase [Arabidopsis th

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89968	Strand	-
Start	11276	End	34139
Name	OJ000450_12.0410.C8.o6.gp	Method	AAT/GAP
Start	18575	End	19371
GI	uC-osflM202096a07b1	Score	722
Exons	18575..18713, 19032..19175, 19261..19371		
GI Descrip.	'1655679/emb\|CAA65250\| 4.0e-56 (X96386) 3-hydroxy-3-methylglutaryl-CoA-synthase [Pinus sylvestris]'		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89968	Strand	-
Start	11276	End	34139
Name	OJ000450_12.0410.C8.o6.np	Method	AAT/NAP
Start	26114	End	27995
GI	4903018	Score	1240
Exons	26114..26165, 26265..26856, 26947..27308, 27389..27995		
GI Descrip.	(AB027507) ACE [Arabidopsis thaliana]		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89968	Strand	-
Start	11276	End	34139
Name	OJ000450_12.0410.C8.o7.np	Method	AAT/NAP
Start	29872	End	32016
GI	5759148	Score	305
Exons	29872..29901, 29977..30063, 30149..30259, 30433..30525, 30759..30878, 30987..31082, 31512..31583, 31680..31754, 31870..32016		
GI Descrip.	(AF170923) dihydrodipicolinate reductase [Mastigocladus laminosus]		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89968	Strand	-
Start	11276	End	34139
Name	OJ000450_12.0410.C8.o7.gp	Method	AAT/GAP
Start	31514	End	32246
GI	none	Score	744
Exons	31514..31577, 31680..31754, 31870..31992, 32080..32246		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89968	Strand	-
Start	11276	End	34139
Name	OJ000450_12.0410.C8.o8.gp	Method	AAT/GAP
Start	33787	End	33962
GI	1632176	Score	282
Exons	33787..33962		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o9.tm	Method	TBLASTX:Maize
Start	125	End	457

GI	none	Score	72
Exons	125..187, 126..188, 134..205, 178..408, 179..457, 269..454		
Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o1.ts	Method	TBLASTX:Soybean
Start	143	End	2290
GI	none	Score	36
Exons	143..169, 269..424, 473..670, 668..901, 718..894, 923..1126, 931..1122, 1211..1255, 1277..1597, 1432..1629, 1640..1804, 1645..1761, 1829..2041, 1837..1923, 2129..2290		
Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o1.tc	Method	TBLASTX:Cress
Start	257	End	2041
GI	none	Score	220
Exons	257..673, 662..895, 718..801, 922..1122, 923..1129, 1211..1255, 1259..1597, 1285..1653, 1625..1804, 1657..1761, 1837..1923, 1838..2041		
Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o1.tm	Method	TBLASTX:Maize
Start	457	End	1720
GI	none	Score	1799
Exons	457..1716, 458..1720, 1538..1720		
Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o6.tw	Method	TBLASTX:Wheat
Start	746	End	1255
GI	none	Score	71
Exons	746..823, 809..895, 908..1126, 914..1126, 1229..1255		
Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o8.tw	Method	TBLASTX:Wheat
Start	1492	End	1795
GI	none	Score	66
Exons	1492..1527, 1546..1635, 1547..1603, 1582..1761, 1616..1795		
Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o2.tm	Method	TBLASTX:Maize
Start	1720	End	2334
GI	none	Score	867
Exons	1720..2334, 1721..2320		
Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-

Start	35399	End	36770
Name	OJ000450_12.0410.C8.o4.tw	Method	TBLASTX:Wheat
Start	1973	End	2293
GI	none	Score	192
Exons	1973..2233, 2020..2232, 2240..2293, 2240..2290		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o2.tc	Method	TBLASTX:Cress
Start	5246	End	8871
GI	none	Score	107
Exons	5246..5353, 5386..5433, 5387..5428, 5452..5568, 5462..5635, 5647..5979, 5648..5980, 5996..6088, 6001..6087, 6317..6439, 6358..6408, 6584..6712, 6589..6795, 6591..6782, 6610..6786, 6842..7135, 6860..7009, 6903..7073, 6904..7137, 7036..7134, 7215..7274, 7216..7287, 7218..7286, 7365..7496, 7372..7557, 7374..7523, 7747..7902, 7748..7897, 8031..8087, 8032..8145, 8034..8144, 8173..8220, 8307..8501, 8312..8494, 8325..8504, 8326..8505, 8410..8505, 8573..8869, 8573..8656, 8575..8871		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o11.tm	Method	TBLASTX:Maize
Start	5446	End	6478
GI	none	Score	101
Exons	5446..5568, 5447..5638, 5750..6010, 5755..5979, 5984..6085, 6317..6478		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o7.ts	Method	TBLASTX:Soybean
Start	5447	End	6699
GI	none	Score	113
Exons	5447..5638, 5743..5952, 5744..5980, 5750..5980, 5983..6072, 5984..6085, 6317..6478, 6592..6639, 6649..6699		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o2.tw	Method	TBLASTX:Wheat
Start	5694	End	6064
GI	none	Score	66
Exons	5694..5771, 5740..6006, 5741..6007, 5983..6063, 5984..6064		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o6.tm	Method	TBLASTX:Maize
Start	6591	End	7245
GI	none	Score	145
Exons	6591..6791, 6591..6782, 6592..6798, 6605..6790, 6876..7028, 6878..7027, 6886..7029, 6991..7137, 7018..7134, 7215..7244, 7216..7245		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o11.ts	Method	TBLASTX:Soybean
Start	6703	End	7287
GI	none	Score	90
Exons	6703..6804, 6903..7001, 6904..7002, 7099..7137, 7216..7287		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o4.ts	Method	TBLASTX:Soybean
Start	7392	End	8863
GI	none	Score	153
Exons	7392..7514, 7402..7554, 7405..7518, 7734..7898, 7745..7900, 7747..7902, 7748..7900, 8025..8144, 8032..8217, 8035..8145, 8310..8501, 8348..8503, 8573..8863, 8581..8832		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o5.tm	Method	TBLASTX:Maize
Start	7392	End	8863
GI	none	Score	153
Exons	7392..7514, 7402..7554, 7405..7518, 7734..7898, 7745..7900, 7747..7902, 7748..7900, 8025..8144, 8032..8217, 8035..8145, 8310..8501, 8348..8503, 8573..8863, 8581..8832		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o5.tw	Method	TBLASTX:Wheat
Start	8297	End	8456
GI	none	Score	212
Exons	8297..8455, 8301..8456		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o1.tw	Method	TBLASTX:Wheat
Start	8460	End	8869
GI	none	Score	68
Exons	8460..8501, 8462..8497, 8573..8869, 8575..8868		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o10.tm	Method	TBLASTX:Maize
Start	10010	End	11003
GI	none	Score	121
Exons	10010..10081, 10012..10137, 10539..10814, 10541..10789, 10883..11002, 10884..11003		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o8.ts	Method	TBLASTX:Soybean

Start	10010	End	10981
GI	none	Score	76
Exons	10010..10081, 10538..10789, 10539..10814, 10883..10981, 10884..10979		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o17.tm	Method	TBLASTX:Maize
Start	11040	End	11753
GI	none	Score	67
Exons	11040..11126, 11594..11737, 11607..11753, 11608..11736		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o6.tc	Method	TBLASTX:Cress
Start	12773	End	13093
GI	none	Score	141
Exons	12773..13030, 12777..13001, 13028..13093		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o4.tm	Method	TBLASTX:Maize
Start	16792	End	17829
GI	none	Score	40
Exons	16792..16827, 16812..16940, 16812..16982, 16813..16983, 17093..17245, 17094..17246, 17095..17247, 17333..17479, 17338..17481, 17351..17479, 17563..17652, 17564..17653, 17598..17654, 17764..17829, 17765..17827		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o2.ts	Method	TBLASTX:Soybean
Start	16815	End	21181
GI	none	Score	96
Exons	16815..16940, 16827..16985, 16834..16977, 17102..17242, 17108..17236, 17121..17243, 17122..17247, 17329..17481, 17366..17470, 17564..17653, 17764..17829, 17765..17827, 18188..18280, 18192..18275, 18352..18435, 18363..18437, 18552..18713, 18558..18710, 18560..18718, 19027..19170, 19029..19169, 19261..19395, 19262..19396, 19693..19803, 19696..19782, 19698..19805, 19698..19814, 21126..21179, 21126..21164, 21128..21181		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o3.tc	Method	TBLASTX:Cress
Start	16821	End	21184
GI	none	Score	64
Exons	16821..16895, 16825..16902, 16891..16980, 16902..16985, 17097..17246, 17099..17245, 17122..17253, 17329..17481, 17351..17470, 17561..17653, 17561..17653, 17755..17829, 17771..17827, 18188..18280, 18192..18281, 18363..18437,		

18367..18438, 18551..18667, 18552..18713, 19027..19152,
19029..19178, 19030..19173, 19261..19395, 19262..19396,
19692..19814, 19696..19782, 19698..19814, 21128..21184

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o8.tm	Method	TBLASTX:Maize
Start	18188	End	21184
GI	none	Score	101
Exons	18188..18280, 18192..18278, 18204..18281, 18205..18279, 18354..18437, 18358..18438, 18362..18442, 18363..18437, 18518..18628, 18543..18713, 18552..18713, 18553..18714, 18554..18715, 19029..19178, 19030..19176, 19031..19192, 19232..19396, 19260..19403, 19261..19407, 19261..19395, 19693..19809, 19696..19782, 19698..19805, 19698..19814, 21121..21180, 21127..21180, 21128..21184		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o12.tc	Method	TBLASTX:Cress
Start	26124	End	26446
GI	none	Score	50
Exons	26124..26168, 26261..26419, 26264..26446, 26397..26438		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o5.ts	Method	TBLASTX:Soybean
Start	26136	End	26746
GI	none	Score	37
Exons	26136..26168, 26261..26491, 26264..26530, 26391..26531, 26537..26746, 26562..26741		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o13.tm	Method	TBLASTX:Maize
Start	26261	End	26488
GI	none	Score	114
Exons	26261..26449, 26264..26488		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o15.tm	Method	TBLASTX:Maize
Start	26549	End	26746
GI	none	Score	122
Exons	26549..26746, 26586..26741		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o9.tc	Method	TBLASTX:Cress
Start	26549	End	26746
GI	none	Score	113

Exons	26549..26746, 26562..26741		
Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o3.tm	Method	TBLASTX:Maize
Start	26979	End	27981
GI	none	Score	211
Exons	26979..27317, 26981..27316, 27397..27834, 27404..27832, 27926..27976, 27928..27981		
Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o3.ts	Method	TBLASTX:Soybean
Start	26981	End	27807
GI	none	Score	176
Exons	26981..27328, 26982..27329, 27386..27601, 27391..27807, 27713..27793		
Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o4.tc	Method	TBLASTX:Cress
Start	27069	End	27699
GI	none	Score	138
Exons	27069..27248, 27077..27283, 27272..27316, 27388..27699, 27389..27607		
Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o7.tc	Method	TBLASTX:Cress
Start	27700	End	28020
GI	none	Score	104
Exons	27700..28020, 27713..27850, 27926..27976		
Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o12.ts	Method	TBLASTX:Soybean
Start	27808	End	28047
GI	none	Score	109
Exons	27808..28047, 27926..28021		
Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o10.tc	Method	TBLASTX:Cress
Start	29866	End	30238
GI	none	Score	57
Exons	29866..29919, 29867..29920, 29977..30063, 29981..30061, 30137..30238, 30147..30233, 30164..30238		
Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770

Name	OJ000450_12.0410.C8.o14.tm	Method	TBLASTX:Maize
Start	29870	End	30879
GI	none	Score	56
Exons	29870..29920, 29977..30066, 29984..30058, 30146..30241, 30146..30250, 30150..30251, 30432..30530, 30433..30534, 30760..30879, 30762..30878		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o8.tc	Method	TBLASTX:Cress
Start	30439	End	31088
GI	none	Score	115
Exons	30439..30534, 30757..30879, 30768..30884, 30769..30879, 30981..31088, 30982..31086, 30984..31088		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o9.ts	Method	TBLASTX:Soybean
Start	30439	End	32005
GI	none	Score	115
Exons	30439..30534, 30768..30881, 30769..30879, 31512..31580, 31537..31575, 31662..31763, 31692..31763, 31867..31995, 31874..32005		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o16.tm	Method	TBLASTX:Maize
Start	31720	End	32175
GI	none	Score	42
Exons	31720..31755, 31726..31755, 31837..31995, 31867..31995, 31874..32002, 32098..32175, 32099..32134		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o12.tm	Method	TBLASTX:Maize
Start	33768	End	33945
GI	none	Score	264
Exons	33768..33929, 33769..33945		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o10.ts	Method	TBLASTX:Soybean
Start	33772	End	33930
GI	none	Score	177
Exons	33772..33930, 33783..33929		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o11.tc	Method	TBLASTX:Cress
Start	33786	End	33929
GI	none	Score	149

Exons	33786..33929, 33787..33927		
Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o9.gp	Method	AAT/GAP
Start	35399	End	36511
GI	309_1.R1084	Score	1219
Exons	35399..35731, 35823..35876, 35970..36057, 36154..36317, 36456..36511		
GI Descrip.	'1706551/sp\|P52409\|E13B_WHEAT 4.0e-15 GLUCAN ENDO-1,3-BETA-GLUCOSIDASE PRECURSOR ((1->3)-BETA-GLUCAN ENDOHYDROLASE) ((1->3)-BETA-GLUCANASE) (BETA-1,3-ENDOGLUCANASE) >gi_924953 (U30323) beta 1,3-glucanase [Triticum aestivum]'		
Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o3.tw	Method	TBLASTX:Wheat
Start	35511	End	36035
GI	none	Score	67
Exons	35511..35552, 35511..35552, 35512..35553, 35512..35553, 35589..35630, 35639..35731, 35640..35729, 35642..35731, 35818..35877, 35820..35879, 35823..35882, 35824..35901, 35969..36022, 35970..36023, 35974..36024, 35982..36035		
Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o7.tm	Method	TBLASTX:Maize
Start	35573	End	36510
GI	none	Score	45
Exons	35573..35647, 35654..35731, 35655..35729, 35818..35898, 35823..35876, 35979..36059, 35980..36063, 36153..36320, 36184..36318, 36442..36510, 36450..36509		
Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o8.np	Method	AAT/NAP
Start	35645	End	36770
GI	231706	Score	671
Exons	35645..35731, 35823..35876, 35970..36057, 36154..36317, 36456..36770		
GI Descrip.	CELL DIVISION CONTROL PROTEIN 2 HOMOLOG 1 gi\|100667\|pir\|\|S22440 protein kinase (EC 2.7.1.37) cdc2 homolog 1 - rice gi\|20343\|emb\|CAA42922\| (X60374) Rcdc2-1 [Oryza sativa] gi\|228924\|prf\|\|1814443A cdc2 protein:ISOTYPE=cdc2Os-1 [Oryza sativa]		
Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o6.ts	Method	TBLASTX:Soybean
Start	35648	End	36510
GI	none	Score	80
Exons	35648..35728, 35661..35729, 35818..35883, 35823..35891,		

35970..36059, 35980..36060, 36149..36304, 36150..36305,
36153..36320, 36154..36327, 36184..36318, 36450..36509,
36451..36510

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o5.tc	Method	TBLASTX:Cress
Start	35657	End	36510
GI	none	Score	88
Exons	35657..35731, 35658..35729, 35818..35877, 35823..35876, 35976..36059, 35980..36063, 36153..36320, 36154..36327, 36184..36318, 36442..36510, 36450..36509		

Seq. No.	43000	Seq. ID	OJ000450_12.0410.C8
Gene No.	89969	Strand	-
Start	35399	End	36770
Name	OJ000450_12.0410.C8.o7.tw	Method	TBLASTX:Wheat
Start	36153	End	36320
GI	none	Score	75
Exons	36153..36320, 36190..36318		

Seq. No.	43001	Seq. ID	OJ000350_05.0410.C2
Gene No.	89970	Strand	+
Start	117	End	2155
Name	OJ000350_05.0410.C2.o1.np	Method	AAT/NAP
Start	117	End	2113
GI	7487599	Score	382
Exons	117..203, 1331..1424, 1535..1716, 1792..2113		
GI Descrip.	hypothetical protein T32G6.18 - Arabidopsis thaliana gi\|2618701\|gb\|AAB84348.1\| (AC002510) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43001	Seq. ID	OJ000350_05.0410.C2
Gene No.	89970	Strand	+
Start	117	End	2155
Name	OJ000350_05.0410.C2.o2.tm	Method	TBLASTX:Maize
Start	1054	End	1561
GI	none	Score	54
Exons	1054..1086, 1054..1083, 1172..1210, 1177..1236, 1185..1235, 1231..1290, 1233..1292, 1256..1315, 1331..1399, 1366..1398, 1514..1561, 1517..1561		

Seq. No.	43001	Seq. ID	OJ000350_05.0410.C2
Gene No.	89970	Strand	+
Start	117	End	2155
Name	OJ000350_05.0410.C2.o1.gs	Method	GENSCAN
Start	1193	End	2116
GI	none	Score	.59
Exons	1193..2116		

Seq. No.	43001	Seq. ID	OJ000350_05.0410.C2
Gene No.	89970	Strand	+
Start	117	End	2155
Name	OJ000350_05.0410.C2.o1.tc	Method	TBLASTX:Cress
Start	1535	End	1945
GI	none	Score	148

Exons	1535..1738, 1798..1872, 1799..1891, 1873..1944, 1877..1945		
Seq. No.	43001	Seq. ID	OJ000350_05.0410.C2
Gene No.	89970	Strand	+
Start	117	End	2155
Name	OJ000350_05.0410.C2.o1.ts	Method	TBLASTX:Soybean
Start	1661	End	2155
GI	none	Score	76
Exons	1661..1711, 1663..1716, 1805..1957, 1807..1956, 1957..2049, 1958..2050, 2084..2155		
Seq. No.	43001	Seq. ID	OJ000350_05.0410.C2
Gene No.	89970	Strand	+
Start	117	End	2155
Name	OJ000350_05.0410.C2.o1.tm	Method	TBLASTX:Maize
Start	1825	End	2118
GI	none	Score	351
Exons	1825..2049, 1826..2050, 2083..2118, 2084..2116		
Seq. No.	43002	Seq. ID	OJ000350_05.0410.C3
Gene No.	89971	Strand	+
Start	435	End	3529
Name	OJ000350_05.0410.C3.o1.gs	Method	GENSCAN
Start	435	End	3529
GI	none	Score	.69
Exons	435..440, 838..1058, 1523..1576, 2363..2601, 2742..2761, 2906..3043, 3389..3529		
Seq. No.	43002	Seq. ID	OJ000350_05.0410.C3
Gene No.	89972	Strand	+
Start	3538	End	6375
Name	OJ000350_05.0410.C3.o2.np	Method	AAT/NAP
Start	3538	End	6375
GI	5777624	Score	308
Exons	3538..3603, 4407..4661, 6344..6375		
GI Descrip.	(AJ245900) CAA303712.1 protein [Oryza sativa]		
Seq. No.	43002	Seq. ID	OJ000350_05.0410.C3
Gene No.	89973	Strand	-
Start	2546	End	2680
Name	OJ000350_05.0410.C3.o1.np	Method	AAT/NAP
Start	2546	End	2680
GI	4680191	Score	46
Exons	2546..2680		
GI Descrip.	(AF111710) putative myb-related protein [Oryza sativa subsp. indica]		
Seq. No.	43002	Seq. ID	OJ000350_05.0410.C3
Gene No.	89974	Strand	-
Start	5177	End	5395
Name	OJ000350_05.0410.C3.o1.gp	Method	AAT/GAP
Start	5177	End	5395
GI	3766626	Score	245
Exons	5177..5395		
GI Descrip.	5257255/dbj\|AP000364.1\|AP000364 1.0e-51 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07		

Seq. No.	43002	Seq. ID	OJ000350_05.0410.C3
Gene No.	89975	Strand	-
Start	5828	End	6375
Name	OJ000350_05.0410.C3.o3.np	Method	AAT/NAP
Start	5828	End	6375
GI	6006372	Score	119
Exons	5828..5974, 6300..6375		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	43003	Seq. ID	OJ000350_05.0410.C4
Gene No.	89976	Strand	+
Start	1	End	2056
Name	OJ000350_05.0410.C4.o1.np	Method	AAT/NAP
Start	1	End	2056
GI	4680179	Score	3049
Exons	1..2056		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	43003	Seq. ID	OJ000350_05.0410.C4
Gene No.	89977	Strand	+
Start	5570	End	9138
Name	OJ000350_05.0410.C4.o5.tm	Method	TBLASTX:Maize
Start	2	End	9137
GI	none	Score	100
Exons	2..115, 8784..9137, 8837..9115		

Seq. No.	43003	Seq. ID	OJ000350_05.0410.C4
Gene No.	89977	Strand	+
Start	5570	End	9138
Name	OJ000350_05.0410.C4.o3.tw	Method	TBLASTX:Wheat
Start	50	End	9137
GI	none	Score	131
Exons	50..166, 52..168, 158..469, 159..476, 168..476, 9051..9137		

Seq. No.	43003	Seq. ID	OJ000350_05.0410.C4
Gene No.	89977	Strand	+
Start	5570	End	9138
Name	OJ000350_05.0410.C4.o4.ts	Method	TBLASTX:Soybean
Start	56	End	305
GI	none	Score	89
Exons	56..166, 153..305		

Seq. No.	43003	Seq. ID	OJ000350_05.0410.C4
Gene No.	89977	Strand	+
Start	5570	End	9138
Name	OJ000350_05.0410.C4.o2.tm	Method	TBLASTX:Maize
Start	122	End	476
GI	none	Score	44
Exons	122..166, 156..476, 158..469		

Seq. No.	43003	Seq. ID	OJ000350_05.0410.C4
Gene No.	89977	Strand	+
Start	5570	End	9138
Name	OJ000350_05.0410.C4.o2.tw	Method	TBLASTX:Wheat
Start	504	End	1043
GI	none	Score	633
Exons	504..1043, 686..1039		

Seq. No.	43003	Seq. ID	OJ000350_05.0410.C4
Gene No.	89977	Strand	+
Start	5570	End	9138
Name	OJ000350_05.0410.C4.o1.tc	Method	TBLASTX:Cress
Start	741	End	1067
GI	none	Score	90
Exons	741..923, 924..1067, 926..1066		

Seq. No.	43003	Seq. ID	OJ000350_05.0410.C4
Gene No.	89977	Strand	+
Start	5570	End	9138
Name	OJ000350_05.0410.C4.o2.ts	Method	TBLASTX:Soybean
Start	831	End	1091
GI	none	Score	301
Exons	831..1091, 842..1090		

Seq. No.	43003	Seq. ID	OJ000350_05.0410.C4
Gene No.	89977	Strand	+
Start	5570	End	9138
Name	OJ000350_05.0410.C4.o3.tm	Method	TBLASTX:Maize
Start	889	End	1181
GI	none	Score	411
Exons	889..1092, 890..1177, 891..1181		

Seq. No.	43003	Seq. ID	OJ000350_05.0410.C4
Gene No.	89977	Strand	+
Start	5570	End	9138
Name	OJ000350_05.0410.C4.o1.tw	Method	TBLASTX:Wheat
Start	1050	End	1673
GI	none	Score	715
Exons	1050..1673, 1109..1555		

Seq. No.	43003	Seq. ID	OJ000350_05.0410.C4
Gene No.	89977	Strand	+
Start	5570	End	9138
Name	OJ000350_05.0410.C4.o1.tm	Method	TBLASTX:Maize
Start	1229	End	1816
GI	none	Score	229
Exons	1229..1384, 1230..1391, 1244..1393, 1388..1552, 1389..1673, 1672..1815, 1673..1816		

Seq. No.	43003	Seq. ID	OJ000350_05.0410.C4
Gene No.	89977	Strand	+
Start	5570	End	9138
Name	OJ000350_05.0410.C4.o6.tw	Method	TBLASTX:Wheat
Start	1675	End	2011
GI	none	Score	322
Exons	1675..1959, 1676..2011, 1844..1960		

Seq. No.	43003	Seq. ID	OJ000350_05.0410.C4
Gene No.	89977	Strand	+
Start	5570	End	9138
Name	OJ000350_05.0410.C4.o2.np	Method	AAT/NAP
Start	5570	End	6361
GI	6983858	Score	1248
Exons	5570..6361		

GI Descrip.	(AP001168) Similar to gypsy-type retrotransposon RIRE8B DNA, internal region (AB014741) [Oryza sativa]		
Seq. No.	43003	Seq. ID	OJ000350_05.0410.C4
Gene No.	89977	Strand	+
Start	5570	End	9138
Name	OJ000350_05.0410.C4.o3.np	Method	AAT/NAP
Start	6085	End	9138
GI	4680179	Score	2725
Exons	6085..6239, 6697..9138		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	43003	Seq. ID	OJ000350_05.0410.C4
Gene No.	89977	Strand	+
Start	5570	End	9138
Name	OJ000350_05.0410.C4.o9.tw	Method	TBLASTX:Wheat
Start	6799	End	6997
GI	none	Score	215
Exons	6799..6996, 6800..6997		
Seq. No.	43003	Seq. ID	OJ000350_05.0410.C4
Gene No.	89977	Strand	+
Start	5570	End	9138
Name	OJ000350_05.0410.C4.o6.tm	Method	TBLASTX:Maize
Start	7049	End	7354
GI	none	Score	246
Exons	7049..7354		
Seq. No.	43003	Seq. ID	OJ000350_05.0410.C4
Gene No.	89977	Strand	+
Start	5570	End	9138
Name	OJ000350_05.0410.C4.o7.tw	Method	TBLASTX:Wheat
Start	7049	End	7399
GI	none	Score	312
Exons	7049..7399		
Seq. No.	43003	Seq. ID	OJ000350_05.0410.C4
Gene No.	89977	Strand	+
Start	5570	End	9138
Name	OJ000350_05.0410.C4.o8.tw	Method	TBLASTX:Wheat
Start	7733	End	8086
GI	none	Score	256
Exons	7733..8086		
Seq. No.	43003	Seq. ID	OJ000350_05.0410.C4
Gene No.	89977	Strand	+
Start	5570	End	9138
Name	OJ000350_05.0410.C4.o4.tw	Method	TBLASTX:Wheat
Start	8218	End	8700
GI	none	Score	49
Exons	8218..8295, 8259..8699, 8273..8656, 8277..8696, 8326..8700		
Seq. No.	43003	Seq. ID	OJ000350_05.0410.C4
Gene No.	89977	Strand	+
Start	5570	End	9138
Name	OJ000350_05.0410.C4.o3.ts	Method	TBLASTX:Soybean
Start	8253	End	8567

GI	none	Score	198
Exons	8253..8567		

Seq. No.	43003	Seq. ID	OJ000350_05.0410.C4
Gene No.	89977	Strand	+
Start	5570	End	9138
Name	OJ000350_05.0410.C4.o4.tm	Method	TBLASTX:Maize
Start	8282	End	8729
GI	none	Score	373
Exons	8282..8719, 8286..8729		

Seq. No.	43003	Seq. ID	OJ000350_05.0410.C4
Gene No.	89977	Strand	+
Start	5570	End	9138
Name	OJ000350_05.0410.C4.o1.ts	Method	TBLASTX:Soybean
Start	8640	End	9035
GI	none	Score	57
Exons	8640..8672, 8640..8672, 8676..8729, 8678..8719, 8784..9035, 8792..9025		

Seq. No.	43003	Seq. ID	OJ000350_05.0410.C4
Gene No.	89977	Strand	+
Start	5570	End	9138
Name	OJ000350_05.0410.C4.o5.tw	Method	TBLASTX:Wheat
Start	8787	End	9050
GI	none	Score	373
Exons	8787..9050, 8789..9049		

Seq. No.	43004	Seq. ID	OJ000350_05.0410.C5
Gene No.	89978	Strand	+
Start	736	End	2111
Name	OJ000350_05.0410.C5.o1.np	Method	AAT/NAP
Start	736	End	2111
GI	5091497	Score	65
Exons	736..908, 936..1123, 2039..2111		
GI Descrip.	(AB023482) Similar to Arabidopsis thaliana mRNA for DREB1B, complete cds.(AB007788) [Oryza sativa]		

Seq. No.	43004	Seq. ID	OJ000350_05.0410.C5
Gene No.	89979	Strand	+
Start	3759	End	4252
Name	OJ000350_05.0410.C5.o1.gp	Method	AAT/GAP
Start	3693	End	4252
GI	none	Score	802
Exons	3693..3899, 4018..4252		

Seq. No.	43004	Seq. ID	OJ000350_05.0410.C5
Gene No.	89979	Strand	+
Start	3759	End	4252
Name	OJ000350_05.0410.C5.o2.gs	Method	GENSCAN
Start	3759	End	4154
GI	none	Score	.99
Exons	3759..3899, 3990..4154		

Seq. No.	43004	Seq. ID	OJ000350_05.0410.C5
Gene No.	89980	Strand	-
Start	227	End	1848

Name	OJ000350_05.0410.C5.o1.gs	Method	GENSCAN
Start	227	End	1848
GI	none	Score	.41
Exons	227..306, 579..946, 1049..1300, 1760..1848		

Seq. No.	43004	Seq. ID	OJ000350_05.0410.C5
Gene No.	89981	Strand	-
Start	6047	End	13333
Name	OJ000350_05.0410.C5.o3.gs	Method	GENSCAN
Start	6047	End	13333
GI	none	Score	.62
Exons	6047..6208, 6845..6935, 8905..9042, 9482..9583, 10006..10075, 10554..10630, 11043..11169, 11753..11825, 11874..12251, 13199..13333		

Seq. No.	43004	Seq. ID	OJ000350_05.0410.C5
Gene No.	89981	Strand	-
Start	6047	End	13333
Name	OJ000350_05.0410.C5.o2.np	Method	AAT/NAP
Start	6050	End	12121
GI	6957704	Score	862
Exons	6050..6208, 6845..6935, 7726..7866, 7947..8012, 8905..9042, 9482..9583, 9691..9765, 9845..9925, 11874..12121		
GI Descrip.	(AC021640) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43004	Seq. ID	OJ000350_05.0410.C5
Gene No.	89982	Strand	-
Start	13713	End	13830
Name	OJ000350_05.0410.C5.o3.tm	Method	TBLASTX:Maize
Start	6029	End	6938
GI	none	Score	215
Exons	6029..6223, 6050..6220, 6831..6938, 6843..6938		

Seq. No.	43004	Seq. ID	OJ000350_05.0410.C5
Gene No.	89982	Strand	-
Start	13713	End	13830
Name	OJ000350_05.0410.C5.o2.tm	Method	TBLASTX:Maize
Start	7716	End	8955
GI	none	Score	88
Exons	7716..7871, 7723..7878, 7726..7869, 7728..7892, 7947..7994, 7948..8013, 7949..8017, 7952..8029, 8905..8955		

Seq. No.	43004	Seq. ID	OJ000350_05.0410.C5
Gene No.	89982	Strand	-
Start	13713	End	13830
Name	OJ000350_05.0410.C5.o1.tc	Method	TBLASTX:Cress
Start	8872	End	9759
GI	none	Score	105
Exons	8872..9015, 8904..9029, 9018..9044, 9021..9056, 9481..9582, 9481..9585, 9485..9586, 9690..9758, 9691..9759		

Seq. No.	43004	Seq. ID	OJ000350_05.0410.C5
Gene No.	89982	Strand	-
Start	13713	End	13830
Name	OJ000350_05.0410.C5.o1.tm	Method	TBLASTX:Maize
Start	8958	End	12112
GI	none	Score	117

Exons	8958..9041, 8961..9044, 8962..9042, 9481..9585, 9482..9598, 9485..9586, 9690..9764, 9691..9765, 9692..9766, 9692..9772, 9844..9930, 9845..9931, 9965..10078, 9997..10077, 10005..10124, 10555..10632, 10555..10629, 10574..10639, 11873..11959, 11874..11960, 11994..12020, 12092..12112		

Seq. No.	43004	Seq. ID	OJ000350_05.0410.C5
Gene No.	89982	Strand	-
Start	13713	End	13830
Name	OJ000350_05.0410.C5.o1.ts	Method	TBLASTX:Soybean
Start	9550	End	11962
GI	none	Score	47
Exons	9550..9585, 9551..9610, 9690..9764, 9691..9762, 9842..9931, 9844..9930, 9971..10078, 10005..10076, 10555..10629, 10556..10627, 11873..11962		

Seq. No.	43004	Seq. ID	OJ000350_05.0410.C5
Gene No.	89982	Strand	-
Start	13713	End	13830
Name	OJ000350_05.0410.C5.o2.gp	Method	AAT/GAP
Start	13713	End	13830
GI	none	Score	232
Exons	13713..13830		

Seq. No.	43005	Seq. ID	OJ000350_05.0410.C6
Gene No.	89983	Strand	+
Start	81	End	1049
Name	OJ000350_05.0410.C6.o1.gs	Method	GENSCAN
Start	81	End	1049
GI	none	Score	.88
Exons	81..1049		

Seq. No.	43005	Seq. ID	OJ000350_05.0410.C6
Gene No.	89984	Strand	+
Start	5977	End	10233
Name	OJ000350_05.0410.C6.o4.gs	Method	GENSCAN
Start	5977	End	10056
GI	none	Score	.84
Exons	5977..6085, 6784..6855, 7170..7447, 7494..7625, 8926..8992, 9105..9187, 9735..9860, 9939..10056		

Seq. No.	43005	Seq. ID	OJ000350_05.0410.C6
Gene No.	89984	Strand	+
Start	5977	End	10233
Name	OJ000350_05.0410.C6.o1.gp	Method	AAT/GAP
Start	7501	End	9778
GI	702375	Score	678
Exons	7501..7625, 8872..8992, 9105..9187, 9735..9778		

Seq. No.	43005	Seq. ID	OJ000350_05.0410.C6
Gene No.	89984	Strand	+
Start	5977	End	10233
Name	OJ000350_05.0410.C6.o3.np	Method	AAT/NAP
Start	8118	End	10233
GI	6957705	Score	181
Exons	8118..8148, 8879..8983, 9069..9187, 9735..9860, 9939..10056, 10149..10233		

GI Descrip. (AC021640) unknown protein [Arabidopsis thaliana]

Seq. No.	43005	Seq. ID	OJ000350_05.0410.C6
Gene No.	89985	Strand	+
Start	10145	End	10233
Name	OJ000350_05.0410.C6.o2.gp	Method	AAT/GAP
Start	10145	End	10233
GI	none	Score	135
Exons	10145..10233		

Seq. No.	43005	Seq. ID	OJ000350_05.0410.C6
Gene No.	89986	Strand	-
Start	1	End	1025
Name	OJ000350_05.0410.C6.o1.np	Method	AAT/NAP
Start	1	End	1025
GI	7485703	Score	447
Exons	1..1025		

GI Descrip. hypothetical protein F18B3.210 - Arabidopsis thaliana gi|4835244|emb|CAB42922.1| (AL049862) putative mitochondrial protein [Arabidopsis thaliana]

Seq. No.	43005	Seq. ID	OJ000350_05.0410.C6
Gene No.	89987	Strand	-
Start	2118	End	3359
Name	OJ000350_05.0410.C6.o2.gs	Method	GENSCAN
Start	2118	End	3359
GI	none	Score	.62
Exons	2118..2294, 3357..3359		

Seq. No.	43005	Seq. ID	OJ000350_05.0410.C6
Gene No.	89988	Strand	-
Start	4801	End	5363
Name	OJ000350_05.0410.C6.o1.ts	Method	TBLASTX:Soybean
Start	75	End	740
GI	none	Score	120
Exons	75..443, 235..444, 345..455, 462..572, 636..740		

Seq. No.	43005	Seq. ID	OJ000350_05.0410.C6
Gene No.	89988	Strand	-
Start	4801	End	5363
Name	OJ000350_05.0410.C6.o1.tm	Method	TBLASTX:Maize
Start	87	End	440
GI	none	Score	65
Exons	87..440, 108..179, 235..432		

Seq. No.	43005	Seq. ID	OJ000350_05.0410.C6
Gene No.	89988	Strand	-
Start	4801	End	5363
Name	OJ000350_05.0410.C6.o3.gs	Method	GENSCAN
Start	4801	End	5363
GI	none	Score	.59
Exons	4801..4865, 4870..5084, 5350..5363		

Seq. No.	43005	Seq. ID	OJ000350_05.0410.C6
Gene No.	89989	Strand	
Start	9774	End	10236
Name	OJ000350_05.0410.C6.o2.ts	Method	TBLASTX:Soybean

Start	9774	End	10236
GI	none	Score	73
Exons	9774..9857, 9975..10055, 9992..10039, 10121..10234, 10159..10236		

Seq. No.	43006	Seq. ID	OJ000350_05.0410.C7
Gene No.	89990	Strand	+
Start	1	End	909
Name	OJ000350_05.0410.C7.o1.gp	Method	AAT/GAP
Start	1	End	909
GI	none	Score	398
Exons	1..27, 119..158, 750..909		

Seq. No.	43006	Seq. ID	OJ000350_05.0410.C7
Gene No.	89990	Strand	+
Start	1	End	909
Name	OJ000350_05.0410.C7.o1.np	Method	AAT/NAP
Start	1	End	899
GI	6957705	Score	202
Exons	1..27, 119..158, 750..899		
GI Descrip.	(AC021640) unknown protein [Arabidopsis thaliana]		

Seq. No.	43006	Seq. ID	OJ000350_05.0410.C7
Gene No.	89991	Strand	-
Start	1	End	4185
Name	OJ000350_05.0410.C7.o2.np	Method	AAT/NAP
Start	1	End	3653
GI	5734621	Score	168
Exons	1..39, 1346..1542, 2004..2192, 2707..2781, 3612..3653		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	43006	Seq. ID	OJ000350_05.0410.C7
Gene No.	89991	Strand	-
Start	1	End	4185
Name	OJ000350_05.0410.C7.o2.tm	Method	TBLASTX:Maize
Start	2	End	935
GI	none	Score	38
Exons	2..28, 123..179, 746..901, 747..935		

Seq. No.	43006	Seq. ID	OJ000350_05.0410.C7
Gene No.	89991	Strand	-
Start	1	End	4185
Name	OJ000350_05.0410.C7.o1.gs	Method	GENSCAN
Start	1603	End	2243
GI	none	Score	.94
Exons	1603..2023, 2188..2243		

Seq. No.	43006	Seq. ID	OJ000350_05.0410.C7
Gene No.	89991	Strand	-
Start	1	End	4185
Name	OJ000350_05.0410.C7.o2.gp	Method	AAT/GAP
Start	2447	End	2780
GI	3759129	Score	596
Exons	2447..2780		

Seq. No.	43006	Seq. ID	OJ000350_05.0410.C7

Gene No.	89991	Strand	-
Start	1	End	4185
Name	OJ000350_05.0410.C7.o3.np	Method	AAT/NAP
Start	2588	End	3047
GI	6692129	Score	309
Exons	2588..3047		
GI Descrip.	(AC007654) T19E23.13 [Arabidopsis thaliana]		

Seq. No.	43006	Seq. ID	OJ000350_05.0410.C7
Gene No.	89991	Strand	-
Start	1	End	4185
Name	OJ000350_05.0410.C7.o2.gs	Method	GENSCAN
Start	2596	End	4185
GI	none	Score	.51
Exons	2596..2781, 2804..2971, 3000..3361, 4122..4185		

Seq. No.	43006	Seq. ID	OJ000350_05.0410.C7
Gene No.	89991	Strand	-
Start	1	End	4185
Name	OJ000350_05.0410.C7.o1.tc	Method	TBLASTX:Cress
Start	2602	End	3059
GI	none	Score	47
Exons	2602..2700, 2605..2700, 2713..2784, 2813..2941, 2828..2968, 2865..2942, 2942..2977, 2979..3059, 2980..3051		

Seq. No.	43006	Seq. ID	OJ000350_05.0410.C7
Gene No.	89991	Strand	-
Start	1	End	4185
Name	OJ000350_05.0410.C7.o1.tw	Method	TBLASTX:Wheat
Start	2602	End	3084
GI	none	Score	65
Exons	2602..2700, 2605..2700, 2606..2698, 2713..2784, 2714..2806, 2808..2978, 2813..2941, 2819..2968, 2820..2942, 2942..2977, 2942..2977, 2943..2975, 2980..3048, 2983..3081, 2983..3084		

Seq. No.	43006	Seq. ID	OJ000350_05.0410.C7
Gene No.	89991	Strand	-
Start	1	End	4185
Name	OJ000350_05.0410.C7.o1.tm	Method	TBLASTX:Maize
Start	2602	End	3087
GI	none	Score	80
Exons	2602..2700, 2602..2700, 2603..2698, 2713..2784, 2808..2978, 2813..2941, 2819..2968, 2942..2977, 2979..3062, 2983..3057, 2983..3087		

Seq. No.	43006	Seq. ID	OJ000350_05.0410.C7
Gene No.	89991	Strand	-
Start	1	End	4185
Name	OJ000350_05.0410.C7.o1.ts	Method	TBLASTX:Soybean
Start	2602	End	3114
GI	none	Score	66
Exons	2602..2700, 2602..2700, 2603..2698, 2713..2784, 2714..2767, 2808..2978, 2813..2941, 2816..2968, 2942..2977, 2979..3113, 2980..3114		

Seq. No.	43007	Seq. ID	OJ000350_05.0410.C8
Gene No.	89992	Strand	+

Start	319	End	1797
Name	OJ000350_05.0410.C8.o1.gs	Method	GENSCAN
Start	319	End	1797
GI	none	Score	.57
Exons	319..396, 962..1092, 1424..1479, 1775..1797		

Seq. No.	43007	Seq. ID	OJ000350_05.0410.C8
Gene No.	89993	Strand	-
Start	2311	End	3158
Name	OJ000350_05.0410.C8.o2.gs	Method	GENSCAN
Start	2311	End	3158
GI	none	Score	.44
Exons	2311..2763, 2784..3158		

Seq. No.	43007	Seq. ID	OJ000350_05.0410.C8
Gene No.	89993	Strand	-
Start	2311	End	3158
Name	OJ000350_05.0410.C8.o1.np	Method	AAT/NAP
Start	2313	End	2769
GI	6692129	Score	506
Exons	2313..2769		
GI Descrip.	(AC007654) T19E23.13 [Arabidopsis thaliana]		

Seq. No.	43007	Seq. ID	OJ000350_05.0410.C8
Gene No.	89994	Strand	-
Start	4578	End	5627
Name	OJ000350_05.0410.C8.o1.ts	Method	TBLASTX:Soybean
Start	2356	End	2784
GI	none	Score	50
Exons	2356..2460, 2357..2407, 2434..2547, 2434..2532, 2471..2545, 2540..2779, 2540..2770, 2542..2784, 2542..2769		

Seq. No.	43007	Seq. ID	OJ000350_05.0410.C8
Gene No.	89994	Strand	-
Start	4578	End	5627
Name	OJ000350_05.0410.C8.o1.tm	Method	TBLASTX:Maize
Start	2356	End	2784
GI	none	Score	43
Exons	2356..2424, 2356..2460, 2434..2547, 2434..2532, 2471..2560, 2542..2784, 2542..2784, 2543..2770, 2561..2773		

Seq. No.	43007	Seq. ID	OJ000350_05.0410.C8
Gene No.	89994	Strand	-
Start	4578	End	5627
Name	OJ000350_05.0410.C8.o1.tc	Method	TBLASTX:Cress
Start	2356	End	2784
GI	none	Score	67
Exons	2356..2460, 2434..2547, 2434..2556, 2471..2545, 2540..2773, 2542..2775, 2551..2784, 2588..2770		

Seq. No.	43007	Seq. ID	OJ000350_05.0410.C8
Gene No.	89994	Strand	-
Start	4578	End	5627
Name	OJ000350_05.0410.C8.o1.tw	Method	TBLASTX:Wheat
Start	2356	End	2791
GI	none	Score	37
Exons	2356..2424, 2356..2460, 2434..2547, 2434..2532, 2471..2560,		

2537..2608, 2542..2784, 2542..2775, 2543..2770, 2561..2776, 2729..2791

Seq. No.	43007	Seq. ID	OJ000350_05.0410.C8
Gene No.	89994	Strand	-
Start	4578	End	5627
Name	OJ000350_05.0410.C8.o3.gs	Method	GENSCAN
Start	4578	End	5627
GI	none	Score	.58
Exons	4578..4739, 4984..5007, 5349..5627		

Seq. No.	43008	Seq. ID	OJ000350_05.0410.C9
Gene No.	89995	Strand	-
Start	666	End	1313
Name	OJ000350_05.0410.C9.o1.ts	Method	TBLASTX:Soybean
Start	660	End	1146
GI	none	Score	82
Exons	660..1145, 675..926, 676..801, 889..1131, 904..1146, 1071..1133		

Seq. No.	43008	Seq. ID	OJ000350_05.0410.C9
Gene No.	89995	Strand	-
Start	666	End	1313
Name	OJ000350_05.0410.C9.o1.np	Method	AAT/NAP
Start	663	End	1130
GI	6692129	Score	687
Exons	663..1130		
GI Descrip.	(AC007654) T19E23.13 [Arabidopsis thaliana]		

Seq. No.	43008	Seq. ID	OJ000350_05.0410.C9
Gene No.	89995	Strand	-
Start	666	End	1313
Name	OJ000350_05.0410.C9.o1.gs	Method	GENSCAN
Start	666	End	1313
GI	none	Score	.91
Exons	666..1313		

Seq. No.	43008	Seq. ID	OJ000350_05.0410.C9
Gene No.	89995	Strand	-
Start	666	End	1313
Name	OJ000350_05.0410.C9.o1.tc	Method	TBLASTX:Cress
Start	675	End	1146
GI	none	Score	78
Exons	675..902, 684..1145, 685..801, 889..1131, 949..1146		

Seq. No.	43008	Seq. ID	OJ000350_05.0410.C9
Gene No.	89995	Strand	-
Start	666	End	1313
Name	OJ000350_05.0410.C9.o1.tm	Method	TBLASTX:Maize
Start	675	End	1212
GI	none	Score	120
Exons	675..1133, 676..801, 889..1131, 904..1146, 1054..1212, 1071..1133		

Seq. No.	43008	Seq. ID	OJ000350_05.0410.C9
Gene No.	89995	Strand	-
Start	666	End	1313
Name	OJ000350_05.0410.C9.o1.tw	Method	TBLASTX:Wheat

Start	675	End	1158
GI	none	Score	120
Exons	675..1133, 676..801, 889..1131, 904..1146, 1054..1158		

Seq. No.	43009	Seq. ID	OJ000350_05.0410.C10
Gene No.	89996	Strand	+
Start	1054	End	2236
Name	OJ000350_05.0410.C10.o1.gs	Method	GENSCAN
Start	1054	End	2236
GI	none	Score	.9
Exons	1054..1070, 1723..2236		

Seq. No.	43009	Seq. ID	OJ000350_05.0410.C10
Gene No.	89997	Strand	-
Start	707	End	8919
Name	OJ000350_05.0410.C10.o2.tm	Method	TBLASTX:Maize
Start	695	End	3564
GI	none	Score	126
Exons	695..787, 699..788, 854..901, 856..909, 1291..1353, 2731..2826, 2737..2826, 2921..3028, 2922..3029, 3210..3254, 3211..3255, 3420..3554, 3424..3564, 3427..3552		

Seq. No.	43009	Seq. ID	OJ000350_05.0410.C10
Gene No.	89997	Strand	-
Start	707	End	8919
Name	OJ000350_05.0410.C10.o1.np	Method	AAT/NAP
Start	707	End	4897
GI	3738315	Score	439
Exons	707..774, 1306..1342, 2746..2825, 2917..3027, 3215..3252, 3427..3551, 3953..4128, 4805..4897		
GI Descrip.	(AC005170) unknown protein [Arabidopsis thaliana]		

Seq. No.	43009	Seq. ID	OJ000350_05.0410.C10
Gene No.	89997	Strand	-
Start	707	End	8919
Name	OJ000350_05.0410.C10.o2.gs	Method	GENSCAN
Start	2667	End	8919
GI	none	Score	.48
Exons	2667..2690, 2746..2825, 2917..3027, 3215..3252, 3427..3551, 3953..4531, 5013..5153, 5267..5401, 5712..5864, 6905..7026, 8450..8919		

Seq. No.	43009	Seq. ID	OJ000350_05.0410.C10
Gene No.	89997	Strand	-
Start	707	End	8919
Name	OJ000350_05.0410.C10.o3.ts	Method	TBLASTX:Soybean
Start	2754	End	3041
GI	none	Score	42
Exons	2754..2828, 2755..2826, 2924..3028, 2925..3041		

Seq. No.	43009	Seq. ID	OJ000350_05.0410.C10
Gene No.	89997	Strand	-
Start	707	End	8919
Name	OJ000350_05.0410.C10.o4.ts	Method	TBLASTX:Soybean
Start	3210	End	3584
GI	none	Score	90
Exons	3210..3257, 3420..3584, 3427..3552		

Seq. No.	43009	Seq. ID	OJ000350_05.0410.C10
Gene No.	89997	Strand	-
Start	707	End	8919
Name	OJ000350_05.0410.C10.o2.tc	Method	TBLASTX:Cress
Start	3420	End	3985
GI	none	Score	134
Exons	3420..3566, 3427..3552, 3941..3985		

Seq. No.	43009	Seq. ID	OJ000350_05.0410.C10
Gene No.	89997	Strand	-
Start	707	End	8919
Name	OJ000350_05.0410.C10.o3.tm	Method	TBLASTX:Maize
Start	4942	End	8735
GI	none	Score	79
Exons	4942..5019, 4949..5017, 5016..5117, 5020..5106, 6899..7027, 6900..7028, 6906..7028, 6907..7041, 8451..8561, 8452..8562, 8670..8735		

Seq. No.	43009	Seq. ID	OJ000350_05.0410.C10
Gene No.	89997	Strand	-
Start	707	End	8919
Name	OJ000350_05.0410.C10.o1.ts	Method	TBLASTX:Soybean
Start	4945	End	6036
GI	none	Score	54
Exons	4945..4971, 4967..5020, 4975..5019, 5016..5162, 5017..5169, 5267..5404, 5280..5402, 5668..5934, 5695..5811, 5697..5885, 5986..6036		

Seq. No.	43009	Seq. ID	OJ000350_05.0410.C10
Gene No.	89997	Strand	-
Start	707	End	8919
Name	OJ000350_05.0410.C10.o2.np	Method	AAT/NAP
Start	4948	End	8771
GI	6016708	Score	1322
Exons	4948..5153, 5267..5401, 5712..5886, 5987..6183, 6905..7026, 8450..8771		
GI Descrip.	(AC009325) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	43009	Seq. ID	OJ000350_05.0410.C10
Gene No.	89997	Strand	-
Start	707	End	8919
Name	OJ000350_05.0410.C10.o1.tc	Method	TBLASTX:Cress
Start	4966	End	8555
GI	none	Score	61
Exons	4966..5019, 4967..5020, 5016..5162, 5023..5169, 5267..5404, 5273..5404, 5292..5414, 5313..5414, 5693..5872, 5706..5879, 5709..5885, 5710..5886, 5986..6132, 5987..6133, 6888..7028, 6899..7027, 8451..8555, 8452..8553		

Seq. No.	43009	Seq. ID	OJ000350_05.0410.C10
Gene No.	89997	Strand	-
Start	707	End	8919
Name	OJ000350_05.0410.C10.o1.tw	Method	TBLASTX:Wheat
Start	5016	End	6117
GI	none	Score	64
Exons	5016..5150, 5270..5404, 5288..5404, 5322..5414, 5706..5882,		

5709..5885, 5770..5886, 5986..6117, 5986..6117

Seq. No.	43009	Seq. ID	OJ000350_05.0410.C10
Gene No.	89997	Strand	-
Start	707	End	8919
Name	OJ000350_05.0410.C10.o1.tm	Method	TBLASTX:Maize
Start	5118	End	6187
GI	none	Score	50
Exons	5118..5162, 5119..5169, 5266..5406, 5267..5407, 5280..5405, 5705..5839, 5709..5888, 5709..5888, 5959..6186, 5960..6187		

Seq. No.	43009	Seq. ID	OJ000350_05.0410.C10
Gene No.	89997	Strand	-
Start	707	End	8919
Name	OJ000350_05.0410.C10.o2.ts	Method	TBLASTX:Soybean
Start	8433	End	8732
GI	5677051	Score	135
Exons	8433..8657, 8446..8553, 8670..8732		
GI Descrip.	2244835/emb_CAB10257_ 4.0e-13 (Z97337) protein kinase homolog [Arabidopsis thaliana]		

Seq. No.	43010	Seq. ID	OJ000350_05.0410.C11
Gene No.	89998	Strand	+
Start	31	End	4839
Name	OJ000350_05.0410.C11.o2.np	Method	AAT/NAP
Start	31	End	4839
GI	7486915	Score	1170
Exons	31..63, 1696..1805, 1903..2005, 2827..2924, 2999..3129, 3225..3333, 3827..4018, 4105..4241, 4554..4839		
GI Descrip.	hypothetical protein T13D8.12 - Arabidopsis thaliana gi\|3249072\|gb\|AAC24056.1\| (AC004473) Contains similarity to hypothetical 43.1 KD protein in NDK-GCPE intergenic region gb\|493519 from E. coli sequence gb\|U02965. [Arabidopsis thaliana]		

Seq. No.	43010	Seq. ID	OJ000350_05.0410.C11
Gene No.	89998	Strand	+
Start	31	End	4839
Name	OJ000350_05.0410.C11.o1.np	Method	AAT/NAP
Start	496	End	1357
GI	7339707	Score	132
Exons	496..673, 988..1117, 1195..1357		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	43010	Seq. ID	OJ000350_05.0410.C11
Gene No.	89998	Strand	+
Start	31	End	4839
Name	OJ000350_05.0410.C11.o2.gs	Method	GENSCAN
Start	1635	End	4830
GI	none	Score	.63
Exons	1635..1805, 1903..2005, 2827..2924, 2999..3129, 3225..3333, 3827..3991, 4105..4241, 4554..4830		

Seq. No.	43010	Seq. ID	OJ000350_05.0410.C11
Gene No.	89999	Strand	+
Start	6921	End	9134
Name	OJ000350_05.0410.C11.o3.gs	Method	GENSCAN

Start	6921	End	8958
GI	none	Score	.96
Exons	6921..7861, 8527..8599, 8770..8958		

Seq. No.	43010	Seq. ID	OJ000350_05.0410.C11
Gene No.	89999	Strand	+
Start	6921	End	9134
Name	OJ000350_05.0410.C11.o1.gp	Method	AAT/GAP
Start	6925	End	7453
GI	none	Score	921
Exons	6925..7453		

Seq. No.	43010	Seq. ID	OJ000350_05.0410.C11
Gene No.	89999	Strand	+
Start	6921	End	9134
Name	OJ000350_05.0410.C11.o2.gp	Method	AAT/GAP
Start	8556	End	9134
GI	uC-osrocyp008a08a1	Score	921
Exons	8556..8662, 8770..9134		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	43010	Seq. ID	OJ000350_05.0410.C11
Gene No.	90000	Strand	+
Start	26155	End	29772
Name	OJ000350_05.0410.C11.o7.np	Method	AAT/NAP
Start	26155	End	28608
GI	123228	Score	75
Exons	26155..26540, 26673..26785, 28592..28608		
GI Descrip.	HOMEOBOX PROTEIN HOX-A4 (CHOX-1.4) gi\|104706\|pir\|\|S09257 homeotic protein Hox A4 - chicken gi\|63219\|emb\|CAA36896.1\| (X52670) Chox-1.4 protein (AA 1-309) [Gallus gallus]		

Seq. No.	43010	Seq. ID	OJ000350_05.0410.C11
Gene No.	90000	Strand	+
Start	26155	End	29772
Name	OJ000350_05.0410.C11.o8.np	Method	AAT/NAP
Start	28217	End	29772
GI	7340860	Score	227
Exons	28217..28299, 28344..28478, 28959..29029, 29754..29772		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43010	Seq. ID	OJ000350_05.0410.C11
Gene No.	90001	Strand	-
Start	385	End	1117
Name	OJ000350_05.0410.C11.o1.gs	Method	GENSCAN
Start	385	End	1117
GI	none	Score	.74
Exons	385..436, 510..1117		

Seq. No.	43010	Seq. ID	OJ000350_05.0410.C11
Gene No.	90002	Strand	-
Start	9569	End	17609
Name	OJ000350_05.0410.C11.o3.np	Method	AAT/NAP
Start	9550	End	17609
GI	7488129	Score	1091

Exons	9550..10255, 10306..10438, 10491..10695, 12005..12114, 12281..12404, 17557..17609		
GI Descrip.	probable limonene cyclase - Arabidopsis thaliana gi\|2245029\|emb\|CAB10449.1\| (Z97341) limonene cyclase like protein [Arabidopsis thaliana] gi\|7268424\|emb\|CAB78716.1\| (AL161544) limonene cyclase like protein [Arabidopsis thaliana]		
Seq. No.	43010	Seq. ID	OJ000350_05.0410.C11
Gene No.	90002	Strand	-
Start	9569	End	17609
Name	OJ000350_05.0410.C11.o4.gs	Method	GENSCAN
Start	9569	End	12575
GI	none	Score	.9
Exons	9569..10255, 10347..10695, 12005..12135, 12243..12575		
Seq. No.	43010	Seq. ID	OJ000350_05.0410.C11
Gene No.	90003	Strand	-
Start	18693	End	20409
Name	OJ000350_05.0410.C11.o4.np	Method	AAT/NAP
Start	18693	End	20409
GI	6983857	Score	1085
Exons	18693..18987, 19018..19491, 19662..20233, 20297..20409		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		
Seq. No.	43010	Seq. ID	OJ000350_05.0410.C11
Gene No.	90004	Strand	-
Start	20464	End	20658
Name	OJ000350_05.0410.C11.o3.gp	Method	AAT/GAP
Start	20464	End	20658
GI	5667165	Score	339
Exons	20464..20658		
GI Descrip.	5670155/gb\|AF161269.1\|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		
Seq. No.	43010	Seq. ID	OJ000350_05.0410.C11
Gene No.	90005	Strand	-
Start	21095	End	24677
Name	OJ000350_05.0410.C11.o2.tm	Method	TBLASTX:Maize
Start	3023	End	5082
GI	none	Score	180
Exons	3023..3130, 3024..3131, 3025..3129, 3026..3130, 3211..3333, 3216..3338, 3225..3335, 3805..4020, 3806..4027, 3827..4021, 4102..4239, 4104..4241, 4105..4239, 4549..4851, 4552..4815, 4809..4913, 5029..5082		
Seq. No.	43010	Seq. ID	OJ000350_05.0410.C11
Gene No.	90005	Strand	-
Start	21095	End	24677
Name	OJ000350_05.0410.C11.o3.ts	Method	TBLASTX:Soybean
Start	3883	End	4212
GI	none	Score	193
Exons	3883..4005, 3884..4006, 3884..4006, 3888..4010, 4073..4210, 4081..4209, 4104..4211, 4105..4212		
Seq. No.	43010	Seq. ID	OJ000350_05.0410.C11
Gene No.	90005	Strand	-
Start	21095	End	24677

Name	OJ000350_05.0410.C11.o1.tc	Method	TBLASTX:Cress
Start	9578	End	9943
GI	none	Score	200
Exons	9578..9943, 9579..9929		

Seq. No.	43010	Seq. ID	OJ000350_05.0410.C11
Gene No.	90005	Strand	-
Start	21095	End	24677
Name	OJ000350_05.0410.C11.o2.ts	Method	TBLASTX:Soybean
Start	9593	End	9907
GI	none	Score	65
Exons	9593..9685, 9594..9680, 9680..9907, 9696..9905		

Seq. No.	43010	Seq. ID	OJ000350_05.0410.C11
Gene No.	90005	Strand	-
Start	21095	End	24677
Name	OJ000350_05.0410.C11.o1.tw	Method	TBLASTX:Wheat
Start	9683	End	10105
GI	none	Score	144
Exons	9683..9871, 9692..9868, 9851..9952, 9862..9900, 9866..9940, 10010..10102, 10011..10103, 10016..10105		

Seq. No.	43010	Seq. ID	OJ000350_05.0410.C11
Gene No.	90005	Strand	-
Start	21095	End	24677
Name	OJ000350_05.0410.C11.o5.tm	Method	TBLASTX:Maize
Start	9716	End	9943
GI	none	Score	107
Exons	9716..9943, 9744..9914, 9770..9940		

Seq. No.	43010	Seq. ID	OJ000350_05.0410.C11
Gene No.	90005	Strand	-
Start	21095	End	24677
Name	OJ000350_05.0410.C11.o1.ts	Method	TBLASTX:Soybean
Start	9992	End	10697
GI	none	Score	78
Exons	9992..10102, 10175..10225, 10347..10697, 10348..10425, 10513..10650		

Seq. No.	43010	Seq. ID	OJ000350_05.0410.C11
Gene No.	90005	Strand	-
Start	21095	End	24677
Name	OJ000350_05.0410.C11.o3.tm	Method	TBLASTX:Maize
Start	10076	End	10460
GI	none	Score	124
Exons	10076..10255, 10089..10262, 10347..10460, 10348..10413		

Seq. No.	43010	Seq. ID	OJ000350_05.0410.C11
Gene No.	90005	Strand	-
Start	21095	End	24677
Name	OJ000350_05.0410.C11.o2.tc	Method	TBLASTX:Cress
Start	10347	End	10670
GI	none	Score	67
Exons	10347..10670, 10348..10410, 10456..10650		

Seq. No.	43010	Seq. ID	OJ000350_05.0410.C11
Gene No.	90005	Strand	-

Start	21095	End	24677
Name	OJ000350_05.0410.C11.o5.np	Method	AAT/NAP
Start	21095	End	24475
GI	4680186	Score	184
Exons	21095..21513, 22015..22074, 24442..24475		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	43010	Seq. ID	OJ000350_05.0410.C11
Gene No.	90005	Strand	-
Start	21095	End	24677
Name	OJ000350_05.0410.C11.o1.tm	Method	TBLASTX:Maize
Start	23268	End	24059
GI	none	Score	39
Exons	23268..23363, 23361..23891, 23375..23869, 23894..24058, 23895..24059		

Seq. No.	43010	Seq. ID	OJ000350_05.0410.C11
Gene No.	90005	Strand	-
Start	21095	End	24677
Name	OJ000350_05.0410.C11.o4.tm	Method	TBLASTX:Maize
Start	24336	End	24677
GI	none	Score	105
Exons	24336..24461, 24477..24677		

Seq. No.	43011	Seq. ID	OJ000350_05.0410.C12
Gene No.	90006	Strand	-
Start	3795	End	9735
Name	OJ000350_05.0410.C12.o6.tm	Method	TBLASTX:Maize
Start	1808	End	9483
GI	none	Score	104
Exons	1808..1915, 1808..1900, 1810..1914, 1810..1899, 2133..2222, 2138..2224, 3098..3139, 3100..3141, 3267..3386, 3268..3384, 9292..9348, 9296..9340, 9445..9483		

Seq. No.	43011	Seq. ID	OJ000350_05.0410.C12
Gene No.	90006	Strand	-
Start	3795	End	9735
Name	OJ000350_05.0410.C12.o5.tw	Method	TBLASTX:Wheat
Start	3113	End	9481
GI	none	Score	143
Exons	3113..3139, 3266..3385, 3267..3386, 3268..3384, 3269..3385, 9292..9348, 9427..9480, 9443..9481		

Seq. No.	43011	Seq. ID	OJ000350_05.0410.C12
Gene No.	90006	Strand	-
Start	3795	End	9735
Name	OJ000350_05.0410.C12.o1.np	Method	AAT/NAP
Start	3795	End	9735
GI	6466937	Score	2314
Exons	3795..7439, 7468..8003, 9625..9735		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	43011	Seq. ID	OJ000350_05.0410.C12
Gene No.	90006	Strand	-
Start	3795	End	9735
Name	OJ000350_05.0410.C12.o5.tm	Method	TBLASTX:Maize

Start	3867	End	4208
GI	none	Score	114
Exons	3867..4088, 3879..4040, 4128..4208, 4140..4208		

Seq. No.	43011	Seq. ID	OJ000350_05.0410.C12
Gene No.	90006	Strand	-
Start	3795	End	9735
Name	OJ000350_05.0410.C12.o2.tw	Method	TBLASTX:Wheat
Start	4305	End	4886
GI	none	Score	64
Exons	4305..4433, 4318..4443, 4503..4886, 4525..4878, 4641..4883		

Seq. No.	43011	Seq. ID	OJ000350_05.0410.C12
Gene No.	90006	Strand	-
Start	3795	End	9735
Name	OJ000350_05.0410.C12.o2.tm	Method	TBLASTX:Maize
Start	4506	End	5066
GI	none	Score	222
Exons	4506..5066, 4555..5001		

Seq. No.	43011	Seq. ID	OJ000350_05.0410.C12
Gene No.	90006	Strand	-
Start	3795	End	9735
Name	OJ000350_05.0410.C12.o1.ts	Method	TBLASTX:Soybean
Start	4734	End	5070
GI	none	Score	119
Exons	4734..5057, 4735..5070		

Seq. No.	43011	Seq. ID	OJ000350_05.0410.C12
Gene No.	90006	Strand	-
Start	3795	End	9735
Name	OJ000350_05.0410.C12.o4.tm	Method	TBLASTX:Maize
Start	5095	End	5489
GI	none	Score	70
Exons	5095..5256, 5100..5489, 5332..5448		

Seq. No.	43011	Seq. ID	OJ000350_05.0410.C12
Gene No.	90006	Strand	-
Start	3795	End	9735
Name	OJ000350_05.0410.C12.o4.tw	Method	TBLASTX:Wheat
Start	5364	End	5702
GI	none	Score	187
Exons	5364..5702		

Seq. No.	43011	Seq. ID	OJ000350_05.0410.C12
Gene No.	90006	Strand	-
Start	3795	End	9735
Name	OJ000350_05.0410.C12.o4.ts	Method	TBLASTX:Soybean
Start	5547	End	5792
GI	none	Score	69
Exons	5547..5792, 5647..5775		

Seq. No.	43011	Seq. ID	OJ000350_05.0410.C12
Gene No.	90006	Strand	-
Start	3795	End	9735
Name	OJ000350_05.0410.C12.o1.tm	Method	TBLASTX:Maize
Start	5604	End	6023

GI	none	Score	171
Exons	5604..6023, 5647..5859		
Seq. No.	43011	Seq. ID	OJ000350_05.0410.C12
Gene No.	90006	Strand	-
Start	3795	End	9735
Name	OJ000350_05.0410.C12.o3.tw	Method	TBLASTX:Wheat
Start	5703	End	6101
GI	none	Score	104
Exons	5703..5819, 5823..6101, 5926..6060		
Seq. No.	43011	Seq. ID	OJ000350_05.0410.C12
Gene No.	90006	Strand	-
Start	3795	End	9735
Name	OJ000350_05.0410.C12.o2.ts	Method	TBLASTX:Soybean
Start	5823	End	6140
GI	none	Score	65
Exons	5823..6140, 5926..6096		
Seq. No.	43011	Seq. ID	OJ000350_05.0410.C12
Gene No.	90006	Strand	-
Start	3795	End	9735
Name	OJ000350_05.0410.C12.o3.tm	Method	TBLASTX:Maize
Start	6096	End	6575
GI	none	Score	157
Exons	6096..6575, 6133..6528, 6519..6575		
Seq. No.	43011	Seq. ID	OJ000350_05.0410.C12
Gene No.	90006	Strand	-
Start	3795	End	9735
Name	OJ000350_05.0410.C12.o1.tw	Method	TBLASTX:Wheat
Start	6192	End	6632
GI	none	Score	138
Exons	6192..6632, 6193..6528		
Seq. No.	43011	Seq. ID	OJ000350_05.0410.C12
Gene No.	90006	Strand	-
Start	3795	End	9735
Name	OJ000350_05.0410.C12.o3.ts	Method	TBLASTX:Soybean
Start	6282	End	6596
GI	none	Score	194
Exons	6282..6596		
Seq. No.	43012	Seq. ID	OJ000350_05.0410.C13
Gene No.	90007	Strand	+
Start	62	End	1767
Name	OJ000350_05.0410.C13.o1.gs	Method	GENSCAN
Start	62	End	1767
GI	none	Score	.49
Exons	62..149, 351..380, 1721..1767		
Seq. No.	43012	Seq. ID	OJ000350_05.0410.C13
Gene No.	90008	Strand	-
Start	2916	End	6201
Name	OJ000350_05.0410.C13.o1.gp	Method	AAT/GAP
Start	2810	End	4529
GI	340_1.R1084	Score	1470

Exons	2810..3239, 3430..3535, 3695..3780, 4235..4288, 4411..4529		
GI Descrip.	'3345477/dbj\|BAA31953\| 1.0e-131 (AB016283) carbonic anhydrase [Oryza sativa]'		
Seq. No.	43012	Seq. ID	OJ000350_05.0410.C13
Gene No.	90008	Strand	-
Start	2916	End	6201
Name	OJ000350_05.0410.C13.o2.gs	Method	GENSCAN
Start	2916	End	4533
GI	none	Score	.8
Exons	2916..3082, 3084..3239, 3487..3535, 3695..3780, 4080..4206, 4235..4359, 4365..4533		
Seq. No.	43012	Seq. ID	OJ000350_05.0410.C13
Gene No.	90008	Strand	-
Start	2916	End	6201
Name	OJ000350_05.0410.C13.o1.tm	Method	TBLASTX:Maize
Start	2985	End	4530
GI	none	Score	39
Exons	2985..3020, 3096..3242, 3108..3242, 3109..3288, 3112..3288, 3428..3535, 3428..3535, 3430..3534, 3430..3534, 3683..3787, 3683..3781, 3694..3798, 3695..3781, 3697..3786, 3697..3786, 3704..3787, 4224..4298, 4232..4291, 4232..4285, 4233..4298, 4406..4528, 4408..4530, 4411..4473, 4411..4530, 4412..4528		
Seq. No.	43012	Seq. ID	OJ000350_05.0410.C13
Gene No.	90008	Strand	-
Start	2916	End	6201
Name	OJ000350_05.0410.C13.o1.np	Method	AAT/NAP
Start	3108	End	6201
GI	7436816	Score	734
Exons	3108..3239, 3430..3535, 3695..3780, 4235..4288, 4411..4529, 6182..6201		
GI Descrip.	probable carbonate dehydratase (EC 4.2.1.1), chloroplast - rice gi\|606817\|gb\|AAA86943.1\| (U08404) carbonic anhydrase [Oryza sativa] gi\|5917783\|gb\|AAD56038.1\|AF182806_1 (AF182806) carbonic anhydrase 3 [Oryza sativa]		
Seq. No.	43012	Seq. ID	OJ000350_05.0410.C13
Gene No.	90008	Strand	-
Start	2916	End	6201
Name	OJ000350_05.0410.C13.o1.tc	Method	TBLASTX:Cress
Start	3114	End	4530
GI	none	Score	101
Exons	3114..3242, 3121..3240, 3428..3532, 3430..3531, 3721..3789, 4232..4291, 4233..4295, 4394..4528, 4408..4530		
Seq. No.	43012	Seq. ID	OJ000350_05.0410.C13
Gene No.	90008	Strand	-
Start	2916	End	6201
Name	OJ000350_05.0410.C13.o1.tw	Method	TBLASTX:Wheat
Start	4244	End	4530
GI	none	Score	65
Exons	4244..4285, 4245..4286, 4247..4315, 4381..4473, 4411..4530, 4412..4528, 4491..4529		
Seq. No.	43012	Seq. ID	OJ000350_05.0410.C13

Gene No.	90008	Strand	-
Start	2916	End	6201
Name	OJ000350_05.0410.C13.o3.gs	Method	GENSCAN
Start	5004	End	5600
GI	none	Score	.9
Exons	5004..5090, 5237..5508, 5543..5600		

Seq. No.	43013	Seq. ID	OJ000350_05.0410.C14
Gene No.	90009	Strand	+
Start	15623	End	16041
Name	OJ000350_05.0410.C14.o3.gs	Method	GENSCAN
Start	15623	End	16041
GI	none	Score	.51
Exons	15623..15683, 15947..16041		

Seq. No.	43013	Seq. ID	OJ000350_05.0410.C14
Gene No.	90010	Strand	+
Start	17015	End	20411
Name	OJ000350_05.0410.C14.o4.gs	Method	GENSCAN
Start	17015	End	20411
GI	none	Score	.54
Exons	17015..17077, 18960..19811, 19904..20039, 20125..20237, 20250..20411		

Seq. No.	43013	Seq. ID	OJ000350_05.0410.C14
Gene No.	90010	Strand	+
Start	17015	End	20411
Name	OJ000350_05.0410.C14.o2.np	Method	AAT/NAP
Start	19383	End	19767
GI	3153821	Score	97
Exons	19383..19767		
GI Descrip.	(AF062655) plenty-of-prolines-101; POP101; SH3-philo-protein [Mus musculus]		

Seq. No.	43013	Seq. ID	OJ000350_05.0410.C14
Gene No.	90011	Strand	-
Start	358	End	4779
Name	OJ000350_05.0410.C14.o1.np	Method	AAT/NAP
Start	358	End	4726
GI	3345477	Score	385
Exons	358..489, 607..668, 4518..4726		
GI Descrip.	(AB016283) carbonic anhydrase [Oryza sativa]		

Seq. No.	43013	Seq. ID	OJ000350_05.0410.C14
Gene No.	90011	Strand	-
Start	358	End	4779
Name	OJ000350_05.0410.C14.o1.gp	Method	AAT/GAP
Start	441	End	4779
GI	340_5.R1084	Score	1108
Exons	441..489, 607..668, 1052..1326, 4518..4779		
GI Descrip.	'2149018/gb\|U70541\|OSU70541 5.0e-25 Oryza sativa putative ADP-glucose pyrophosphorylase subunit SH2 and putative NADPH-dependent reductase A1 genes, complete cds'		

Seq. No.	43013	Seq. ID	OJ000350_05.0410.C14
Gene No.	90012	Strand	-
Start	19396	End	19840

Name	OJ000350_05.0410.C14.o4.gp	Method	AAT/GAP
Start	19396	End	19840
GI	none	Score	821
Exons	19396..19840		

Seq. No.	43014	Seq. ID	OJ000350_05.0410.C15
Gene No.	90013	Strand	+
Start	663	End	1444
Name	OJ000350_05.0410.C15.o1.np	Method	AAT/NAP
Start	663	End	1444
GI	6002794	Score	1239
Exons	663..1444		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	43014	Seq. ID	OJ000350_05.0410.C15
Gene No.	90014	Strand	+
Start	1935	End	7067
Name	OJ000350_05.0410.C15.o2.np	Method	AAT/NAP
Start	1935	End	7067
GI	4680179	Score	3829
Exons	1935..2991, 3094..6129, 6881..7067		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	43014	Seq. ID	OJ000350_05.0410.C15
Gene No.	90014	Strand	+
Start	1935	End	7067
Name	OJ000350_05.0410.C15.o6.tw	Method	TBLASTX:Wheat
Start	2154	End	2531
GI	none	Score	166
Exons	2154..2357, 2171..2272, 2388..2531		

Seq. No.	43014	Seq. ID	OJ000350_05.0410.C15
Gene No.	90014	Strand	+
Start	1935	End	7067
Name	OJ000350_05.0410.C15.o5.tm	Method	TBLASTX:Maize
Start	2412	End	2813
GI	none	Score	242
Exons	2412..2813		

Seq. No.	43014	Seq. ID	OJ000350_05.0410.C15
Gene No.	90014	Strand	+
Start	1935	End	7067
Name	OJ000350_05.0410.C15.o7.tm	Method	TBLASTX:Maize
Start	3122	End	3446
GI	none	Score	203
Exons	3122..3235, 3123..3446, 3129..3446		

Seq. No.	43014	Seq. ID	OJ000350_05.0410.C15
Gene No.	90014	Strand	+
Start	1935	End	7067
Name	OJ000350_05.0410.C15.o5.tw	Method	TBLASTX:Wheat
Start	3128	End	3527
GI	none	Score	163
Exons	3128..3283, 3129..3350, 3359..3454, 3363..3527		

Seq. No.	43014	Seq. ID	OJ000350_05.0410.C15
Gene No.	90014	Strand	+

Start	1935	End	7067
Name	OJ000350_05.0410.C15.o4.tw	Method	TBLASTX:Wheat
Start	3673	End	4110
GI	none	Score	497
Exons	3673..4110, 3687..4097, 3700..4110		

Seq. No.	43014	Seq. ID	OJ000350_05.0410.C15
Gene No.	90014	Strand	+
Start	1935	End	7067
Name	OJ000350_05.0410.C15.o4.tm	Method	TBLASTX:Maize
Start	3690	End	3972
GI	none	Score	327
Exons	3690..3971, 3691..3972, 3691..3972		

Seq. No.	43014	Seq. ID	OJ000350_05.0410.C15
Gene No.	90014	Strand	+
Start	1935	End	7067
Name	OJ000350_05.0410.C15.o3.ts	Method	TBLASTX:Soybean
Start	4131	End	4298
GI	none	Score	74
Exons	4131..4184, 4148..4270, 4176..4298		

Seq. No.	43014	Seq. ID	OJ000350_05.0410.C15
Gene No.	90014	Strand	+
Start	1935	End	7067
Name	OJ000350_05.0410.C15.o8.tw	Method	TBLASTX:Wheat
Start	4175	End	4307
GI	none	Score	176
Exons	4175..4270, 4176..4307		

Seq. No.	43014	Seq. ID	OJ000350_05.0410.C15
Gene No.	90014	Strand	+
Start	1935	End	7067
Name	OJ000350_05.0410.C15.o6.tm	Method	TBLASTX:Maize
Start	4176	End	4382
GI	none	Score	229
Exons	4176..4382, 4193..4378		

Seq. No.	43014	Seq. ID	OJ000350_05.0410.C15
Gene No.	90014	Strand	+
Start	1935	End	7067
Name	OJ000350_05.0410.C15.o2.tw	Method	TBLASTX:Wheat
Start	4313	End	4739
GI	none	Score	606
Exons	4313..4702, 4314..4739, 4371..4724, 4375..4737		

Seq. No.	43014	Seq. ID	OJ000350_05.0410.C15
Gene No.	90014	Strand	+
Start	1935	End	7067
Name	OJ000350_05.0410.C15.o2.ts	Method	TBLASTX:Soybean
Start	4320	End	4565
GI	none	Score	213
Exons	4320..4565		

Seq. No.	43014	Seq. ID	OJ000350_05.0410.C15
Gene No.	90014	Strand	+
Start	1935	End	7067

Name	OJ000350_05.0410.C15.o2.tm	Method	TBLASTX:Maize
Start	4386	End	4749
GI	none	Score	474
Exons	4386..4739, 4388..4687, 4438..4749		

Seq. No.	43014	Seq. ID	OJ000350_05.0410.C15
Gene No.	90014	Strand	+
Start	1935	End	7067
Name	OJ000350_05.0410.C15.o3.tw	Method	TBLASTX:Wheat
Start	4782	End	5306
GI	none	Score	591
Exons	4782..5306, 4856..5302		

Seq. No.	43014	Seq. ID	OJ000350_05.0410.C15
Gene No.	90014	Strand	+
Start	1935	End	7067
Name	OJ000350_05.0410.C15.o1.tc	Method	TBLASTX:Cress
Start	5013	End	5330
GI	none	Score	101
Exons	5013..5186, 5034..5186, 5187..5330, 5189..5317		

Seq. No.	43014	Seq. ID	OJ000350_05.0410.C15
Gene No.	90014	Strand	+
Start	1935	End	7067
Name	OJ000350_05.0410.C15.o1.ts	Method	TBLASTX:Soybean
Start	5099	End	5354
GI	none	Score	288
Exons	5099..5335, 5106..5354, 5226..5354		

Seq. No.	43014	Seq. ID	OJ000350_05.0410.C15
Gene No.	90014	Strand	+
Start	1935	End	7067
Name	OJ000350_05.0410.C15.o3.tm	Method	TBLASTX:Maize
Start	5154	End	5444
GI	none	Score	384
Exons	5154..5444, 5165..5335, 5396..5440		

Seq. No.	43014	Seq. ID	OJ000350_05.0410.C15
Gene No.	90014	Strand	+
Start	1935	End	7067
Name	OJ000350_05.0410.C15.o1.tw	Method	TBLASTX:Wheat
Start	5313	End	5939
GI	none	Score	662
Exons	5313..5939, 5408..5815		

Seq. No.	43014	Seq. ID	OJ000350_05.0410.C15
Gene No.	90014	Strand	+
Start	1935	End	7067
Name	OJ000350_05.0410.C15.o1.tm	Method	TBLASTX:Maize
Start	5496	End	6089
GI	none	Score	221
Exons	5496..5654, 5501..5647, 5647..5910, 5651..5794, 5652..6089, 5870..6079, 5994..6089		

Seq. No.	43014	Seq. ID	OJ000350_05.0410.C15
Gene No.	90014	Strand	+
Start	1935	End	7067

Name	OJ000350_05.0410.C15.o7.tw	Method	TBLASTX:Wheat
Start	5940	End	6128
GI	none	Score	192
Exons	5940..6128		

Seq. No.	43015	Seq. ID	OJ000350_05.0410.C16
Gene No.	90015	Strand	-
Start	140	End	778
Name	OJ000350_05.0410.C16.o1.gs	Method	GENSCAN
Start	140	End	778
GI	none	Score	.73
Exons	140..352, 406..609, 647..778		

Seq. No.	43016	Seq. ID	OJ000350_06.0403.C4
Gene No.	90016	Strand	+
Start	132	End	990
Name	OJ000350_06.0403.C4.o1.np	Method	AAT/NAP
Start	132	End	990
GI	6721519	Score	119
Exons	132..383, 887..990		
GI Descrip.	(AP001072) EST AU082116(E4026) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43016	Seq. ID	OJ000350_06.0403.C4
Gene No.	90016	Strand	+
Start	132	End	990
Name	OJ000350_06.0403.C4.o2.np	Method	AAT/NAP
Start	816	End	990
GI	7339699	Score	267
Exons	816..990		
GI Descrip.	(AP001539) EST C98176(C0955) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome II BAC F13A10; putative cellular apoptosis susceptibility protein. (AC006418) [Oryza sativa]		

Seq. No.	43017	Seq. ID	OJ000350_06.0403.C5
Gene No.	90017	Strand	+
Start	1	End	434
Name	OJ000350_06.0403.C5.o1.np	Method	AAT/NAP
Start	1	End	284
GI	4539660	Score	139
Exons	1..284		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	43017	Seq. ID	OJ000350_06.0403.C5
Gene No.	90017	Strand	+
Start	1	End	434
Name	OJ000350_06.0403.C5.o1.gs	Method	GENSCAN
Start	50	End	434
GI	none	Score	.52
Exons	50..136, 219..434		

Seq. No.	43018	Seq. ID	OJ000350_06.0403.C15
Gene No.	90018	Strand	-
Start	1249	End	1672
Name	OJ000350_06.0403.C15.o1.tm	Method	TBLASTX:Maize
Start	1233	End	1670

GI	none	Score	51
Exons	1233..1280, 1234..1278, 1281..1304, 1305..1343, 1388..1540, 1392..1541, 1399..1539, 1410..1541, 1615..1668, 1620..1670		

Seq. No.	43018	Seq. ID	OJ000350_06.0403.C15
Gene No.	90018	Strand	-
Start	1249	End	1672
Name	OJ000350_06.0403.C15.o1.np	Method	AAT/NAP
Start	1249	End	1672
GI	7339705	Score	272
Exons	1249..1376, 1625..1672		
GI Descrip.	(AP001539) ESTs D23839(R0339),AU082696(E61918) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome 4 BAC clone F28J12; putative protein. (AL021710) [Oryza sativa]		

Seq. No.	43019	Seq. ID	OJ000350_06.0403.C16
Gene No.	90019	Strand	-
Start	1	End	1197
Name	OJ000350_06.0403.C16.o1.gp	Method	AAT/GAP
Start	1	End	1011
GI	427704	Score	181
Exons	1..136, 981..1011		

Seq. No.	43019	Seq. ID	OJ000350_06.0403.C16
Gene No.	90019	Strand	-
Start	1	End	1197
Name	OJ000350_06.0403.C16.o1.np	Method	AAT/NAP
Start	1	End	1197
GI	7339705	Score	474
Exons	1..136, 981..1197		
GI Descrip.	(AP001539) ESTs D23839(R0339),AU082696(E61918) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome 4 BAC clone F28J12; putative protein. (AL021710) [Oryza sativa]		

Seq. No.	43019	Seq. ID	OJ000350_06.0403.C16
Gene No.	90019	Strand	-
Start	1	End	1197
Name	OJ000350_06.0403.C16.o1.tm	Method	TBLASTX:Maize
Start	52	End	1196
GI	none	Score	76
Exons	52..141, 56..148, 57..149, 60..155, 980..1042, 981..1040, 1068..1196, 1069..1194		

Seq. No.	43019	Seq. ID	OJ000350_06.0403.C16
Gene No.	90019	Strand	-
Start	1	End	1197
Name	OJ000350_06.0403.C16.o1.gs	Method	GENSCAN
Start	981	End	1157
GI	none	Score	.72
Exons	981..1157		

Seq. No.	43020	Seq. ID	OJ000350_06.0403.C17
Gene No.	90020	Strand	-
Start	1	End	1344
Name	OJ000350_06.0403.C17.o1.np	Method	AAT/NAP

Start	1	End	1344
GI	7339705	Score	862
Exons	1..47, 878..1344		
GI Descrip.	(AP001539) ESTs D23839(R0339),AU082696(E61918) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome 4 BAC clone F28J12; putative protein. (AL021710) [Oryza sativa]		

Seq. No.	43020	Seq. ID	OJ000350_06.0403.C17
Gene No.	90020	Strand	-
Start	1	End	1344
Name	OJ000350_06.0403.C17.o1.tm	Method	TBLASTX:Maize
Start	1	End	1083
GI	none	Score	81
Exons	1..48, 1..60, 3..59, 877..1068, 878..1072, 878..1072, 901..1083		

Seq. No.	43020	Seq. ID	OJ000350_06.0403.C17
Gene No.	90020	Strand	-
Start	1	End	1344
Name	OJ000350_06.0403.C17.o1.gs	Method	GENSCAN
Start	854	End	1297
GI	none	Score	.96
Exons	854..1297		

Seq. No.	43021	Seq. ID	OJ000350_06.0403.C18
Gene No.	90021	Strand	-
Start	1	End	3153
Name	OJ000350_06.0403.C18.o1.np	Method	AAT/NAP
Start	1	End	3153
GI	7339705	Score	245
Exons	1..33, 2990..3153		
GI Descrip.	(AP001539) ESTs D23839(R0339),AU082696(E61918) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome 4 BAC clone F28J12; putative protein. (AL021710) [Oryza sativa]		

Seq. No.	43021	Seq. ID	OJ000350_06.0403.C18
Gene No.	90021	Strand	-
Start	1	End	3153
Name	OJ000350_06.0403.C18.o1.gs	Method	GENSCAN
Start	2992	End	3153
GI	none	Score	.73
Exons	2992..3153		

Seq. No.	43021	Seq. ID	OJ000350_06.0403.C18
Gene No.	90022	Strand	-
Start	4134	End	5849
Name	OJ000350_06.0403.C18.o2.gs	Method	GENSCAN
Start	4134	End	5849
GI	none	Score	.83
Exons	4134..4155, 4302..4435, 5060..5134, 5772..5849		

Seq. No.	43021	Seq. ID	OJ000350_06.0403.C18
Gene No.	90022	Strand	-
Start	4134	End	5849
Name	OJ000350_06.0403.C18.o2.np	Method	AAT/NAP
Start	4137	End	5849

GI	7339704	Score	434
Exons	4137..4155, 4302..4435, 5060..5134, 5772..5849		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	43022	Seq. ID	OJ000350_06.0403.C19
Gene No.	90023	Strand	+
Start	345	End	2149
Name	OJ000350_06.0403.C19.o1.np	Method	AAT/NAP
Start	345	End	2149
GI	7339702	Score	2832
Exons	345..1278, 1432..2149		
GI Descrip.	(AP001539) EST AU065085(F11092) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome II BAC F13A10; putative bHLH transcription factor. (AC006418) [Oryza sativa]		

Seq. No.	43022	Seq. ID	OJ000350_06.0403.C19
Gene No.	90024	Strand	-
Start	2064	End	2149
Name	OJ000350_06.0403.C19.o1.tw	Method	TBLASTX:Wheat
Start	348	End	753
GI	none	Score	538
Exons	348..749, 348..752, 349..753		

Seq. No.	43022	Seq. ID	OJ000350_06.0403.C19
Gene No.	90024	Strand	-
Start	2064	End	2149
Name	OJ000350_06.0403.C19.o1.tm	Method	TBLASTX:Maize
Start	455	End	1178
GI	none	Score	994
Exons	455..826, 465..1121, 465..1121, 1109..1177, 1110..1178		

Seq. No.	43022	Seq. ID	OJ000350_06.0403.C19
Gene No.	90024	Strand	-
Start	2064	End	2149
Name	OJ000350_06.0403.C19.o2.ts	Method	TBLASTX:Soybean
Start	669	End	896
GI	none	Score	253
Exons	669..896, 687..890		

Seq. No.	43022	Seq. ID	OJ000350_06.0403.C19
Gene No.	90024	Strand	-
Start	2064	End	2149
Name	OJ000350_06.0403.C19.o2.tc	Method	TBLASTX:Cress
Start	720	End	1076
GI	none	Score	87
Exons	720..833, 849..887, 924..1076, 941..1066		

Seq. No.	43022	Seq. ID	OJ000350_06.0403.C19
Gene No.	90024	Strand	-
Start	2064	End	2149
Name	OJ000350_06.0403.C19.o1.ts	Method	TBLASTX:Soybean
Start	947	End	2129
GI	none	Score	348
Exons	947..1030, 1145..1174, 1648..1836, 1659..1889, 1692..1853, 1706..1864, 1941..2129		

Seq. No.	43022	Seq. ID	OJ000350_06.0403.C19
Gene No.	90024	Strand	-
Start	2064	End	2149
Name	OJ000350_06.0403.C19.o4.tm	Method	TBLASTX:Maize
Start	1235	End	1430
GI	none	Score	114
Exons	1235..1396, 1240..1365, 1245..1403, 1347..1430, 1358..1420		

Seq. No.	43022	Seq. ID	OJ000350_06.0403.C19
Gene No.	90024	Strand	-
Start	2064	End	2149
Name	OJ000350_06.0403.C19.o3.tm	Method	TBLASTX:Maize
Start	1530	End	1859
GI	none	Score	307
Exons	1530..1727, 1535..1744, 1536..1742, 1676..1855, 1701..1859, 1745..1855		

Seq. No.	43022	Seq. ID	OJ000350_06.0403.C19
Gene No.	90024	Strand	-
Start	2064	End	2149
Name	OJ000350_06.0403.C19.o1.tc	Method	TBLASTX:Cress
Start	1685	End	2123
GI	none	Score	108
Exons	1685..1870, 1686..1892, 1706..1864, 1944..2123		

Seq. No.	43022	Seq. ID	OJ000350_06.0403.C19
Gene No.	90024	Strand	-
Start	2064	End	2149
Name	OJ000350_06.0403.C19.o2.tm	Method	TBLASTX:Maize
Start	1860	End	2147
GI	none	Score	124
Exons	1860..1943, 1890..1943, 1944..2084, 1988..2086, 1994..2083, 2072..2146, 2076..2147, 2079..2147		

Seq. No.	43022	Seq. ID	OJ000350_06.0403.C19
Gene No.	90024	Strand	-
Start	2064	End	2149
Name	OJ000350_06.0403.C19.o2.tw	Method	TBLASTX:Wheat
Start	2003	End	2148
GI	none	Score	113
Exons	2003..2146, 2004..2147, 2006..2146, 2023..2148		

Seq. No.	43022	Seq. ID	OJ000350_06.0403.C19
Gene No.	90024	Strand	-
Start	2064	End	2149
Name	OJ000350_06.0403.C19.o1.gp	Method	AAT/GAP
Start	2064	End	2149
GI	46570_1.R1084	Score	141
Exons	2064..2149		
GI Descrip.	'1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	43023	Seq. ID	OJ000350_06.0403.C20
Gene No.	90025	Strand	+
Start	2328	End	3496
Name	OJ000350_06.0403.C20.o1.np	Method	AAT/NAP
Start	2328	End	3496

GI	7339701	Score	284
Exons	2328..2445, 3416..3496		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	43023	Seq. ID	OJ000350_06.0403.C20
Gene No.	90026	Strand	-
Start	2068	End	2881
Name	OJ000350_06.0403.C20.o2.gs	Method	GENSCAN
Start	2068	End	2881
GI	none	Score	.71
Exons	2068..2140, 2307..2456, 2621..2881		

Seq. No.	43024	Seq. ID	OJ000350_06.0403.C21
Gene No.	90027	Strand	+
Start	128	End	1764
Name	OJ000350_06.0403.C21.o1.np	Method	AAT/NAP
Start	128	End	1764
GI	7339701	Score	941
Exons	128..361, 1302..1764		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	43025	Seq. ID	OJ000350_06.0403.C22
Gene No.	90028	Strand	+
Start	1	End	3064
Name	OJ000350_06.0403.C22.o1.np	Method	AAT/NAP
Start	1	End	3061
GI	7339701	Score	579
Exons	1..148, 477..542, 2108..2175, 2957..3061		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	43025	Seq. ID	OJ000350_06.0403.C22
Gene No.	90028	Strand	+
Start	1	End	3064
Name	OJ000350_06.0403.C22.o1.gs	Method	GENSCAN
Start	389	End	3064
GI	none	Score	.46
Exons	389..542, 2108..2175, 2957..3064		

Seq. No.	43025	Seq. ID	OJ000350_06.0403.C22
Gene No.	90029	Strand	-
Start	3998	End	5749
Name	OJ000350_06.0403.C22.o1.gp	Method	AAT/GAP
Start	3988	End	4544
GI	30964_1.R1084	Score	1059
Exons	3988..4544		
GI Descrip.	'1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	43025	Seq. ID	OJ000350_06.0403.C22
Gene No.	90029	Strand	-
Start	3998	End	5749
Name	OJ000350_06.0403.C22.o2.gs	Method	GENSCAN
Start	3998	End	5749
GI	none	Score	.79
Exons	3998..4431, 4534..4602, 5598..5749		

Seq. No.	43025	Seq. ID	OJ000350_06.0403.C22

Gene No.	90029	Strand	-
Start	3998	End	5749
Name	OJ000350_06.0403.C22.o2.np	Method	AAT/NAP
Start	4001	End	4471
GI	7339700	Score	770
Exons	4001..4471		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	43025	Seq. ID	OJ000350_06.0403.C22
Gene No.	90029	Strand	-
Start	3998	End	5749
Name	OJ000350_06.0403.C22.o1.tw	Method	TBLASTX:Wheat
Start	5163	End	5450
GI	none	Score	59
Exons	5163..5450, 5218..5379		

Seq. No.	43026	Seq. ID	OJ000350_06.0403.C23
Gene No.	90030	Strand	+
Start	1	End	8965
Name	OJ000350_06.0403.C23.o1.np	Method	AAT/NAP
Start	1	End	2499
GI	7339699	Score	4218
Exons	1..2499		
GI Descrip.	(AP001539) EST C98176(C0955) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome II BAC F13A10; putative cellular apoptosis susceptibility protein. (AC006418) [Oryza sativa]		

Seq. No.	43026	Seq. ID	OJ000350_06.0403.C23
Gene No.	90030	Strand	+
Start	1	End	8965
Name	OJ000350_06.0403.C23.o1.gs	Method	GENSCAN
Start	172	End	8965
GI	none	Score	.48
Exons	172..2346, 2408..2502, 3990..4162, 5543..5629, 5810..6204, 6282..6333, 6415..7547, 8217..8381, 8774..8965		

Seq. No.	43026	Seq. ID	OJ000350_06.0403.C23
Gene No.	90030	Strand	+
Start	1	End	8965
Name	OJ000350_06.0403.C23.o1.gp	Method	AAT/GAP
Start	2062	End	4371
GI	26330_1.R1084	Score	1542
Exons	2062..2502, 4019..4371		
GI Descrip.	'4415933/gb\|AAD20163\| 3.0e-33 (AC006418) putative cellular apoptosis susceptibility protein [Arabidopsis thaliana] >gi_4559390_gb_AAD23050.1_AC006526_15 (AC006526) putative cellular apoptosis susceptibility protein [Arabidopsis thaliana]'		

Seq. No.	43026	Seq. ID	OJ000350_06.0403.C23
Gene No.	90030	Strand	+
Start	1	End	8965
Name	OJ000350_06.0403.C23.o2.np	Method	AAT/NAP
Start	5210	End	8962
GI	7339698	Score	3640
Exons	5210..5347, 5543..5678, 5810..6333, 6415..7547, 8217..8381,		

	8774..8962
GI Descrip.	(AP001539) Similar to Caenorhabditis elegans chromosome V cosmid T10G3; Homo sapiens endosomal protein P162 (Z81118) [Oryza sativa]

Seq. No.	43026	Seq. ID	OJ000350_06.0403.C23
Gene No.	90030	Strand	+
Start	1	End	8965
Name	OJ000350_06.0403.C23.o2.gp	Method	AAT/GAP
Start	7047	End	7265
GI	2799626	Score	403
Exons	7047..7265		

Seq. No.	43026	Seq. ID	OJ000350_06.0403.C23
Gene No.	90031	Strand	+
Start	13803	End	16085
Name	OJ000350_06.0403.C23.o4.np	Method	AAT/NAP
Start	13803	End	16085
GI	7339696	Score	633
Exons	13803..13940, 15798..15871, 15902..16085		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	43026	Seq. ID	OJ000350_06.0403.C23
Gene No.	90032	Strand	-
Start	9788	End	11471
Name	OJ000350_06.0403.C23.o1.tc	Method	TBLASTX:Cress
Start	172	End	498
GI	none	Score	198
Exons	172..342, 207..314, 370..498, 411..491		

Seq. No.	43026	Seq. ID	OJ000350_06.0403.C23
Gene No.	90032	Strand	-
Start	9788	End	11471
Name	OJ000350_06.0403.C23.o1.tm	Method	TBLASTX:Maize
Start	576	End	1251
GI	none	Score	751
Exons	576..1247, 576..1238, 577..1251, 577..1251		

Seq. No.	43026	Seq. ID	OJ000350_06.0403.C23
Gene No.	90032	Strand	-
Start	9788	End	11471
Name	OJ000350_06.0403.C23.o2.ts	Method	TBLASTX:Soybean
Start	1279	End	1701
GI	none	Score	122
Exons	1279..1422, 1281..1343, 1405..1644, 1413..1700, 1414..1701		

Seq. No.	43026	Seq. ID	OJ000350_06.0403.C23
Gene No.	90032	Strand	-
Start	9788	End	11471
Name	OJ000350_06.0403.C23.o2.tm	Method	TBLASTX:Maize
Start	1461	End	2032
GI	none	Score	781
Exons	1461..2009, 1462..1950, 1949..2032, 1953..2027, 1954..2031		

Seq. No.	43026	Seq. ID	OJ000350_06.0403.C23
Gene No.	90032	Strand	-
Start	9788	End	11471

Name	OJ000350_06.0403.C23.o5.ts	Method	TBLASTX:Soybean
Start	1701	End	1941
GI	none	Score	209
Exons	1701..1937, 1702..1941		

Seq. No.	43026	Seq. ID	OJ000350_06.0403.C23
Gene No.	90032	Strand	-
Start	9788	End	11471
Name	OJ000350_06.0403.C23.o2.tc	Method	TBLASTX:Cress
Start	1821	End	2115
GI	none	Score	276
Exons	1821..2114, 1822..2115		

Seq. No.	43026	Seq. ID	OJ000350_06.0403.C23
Gene No.	90032	Strand	-
Start	9788	End	11471
Name	OJ000350_06.0403.C23.o4.ts	Method	TBLASTX:Soybean
Start	2041	End	2415
GI	none	Score	203
Exons	2041..2214, 2041..2208, 2055..2210, 2278..2415, 2280..2411		

Seq. No.	43026	Seq. ID	OJ000350_06.0403.C23
Gene No.	90032	Strand	-
Start	9788	End	11471
Name	OJ000350_06.0403.C23.o5.tm	Method	TBLASTX:Maize
Start	2283	End	2505
GI	none	Score	246
Exons	2283..2504, 2283..2504, 2284..2505, 2287..2505		

Seq. No.	43026	Seq. ID	OJ000350_06.0403.C23
Gene No.	90032	Strand	-
Start	9788	End	11471
Name	OJ000350_06.0403.C23.o3.ts	Method	TBLASTX:Soybean
Start	6909	End	7580
GI	none	Score	100
Exons	6909..7145, 6998..7141, 7148..7348, 7149..7580, 7463..7579		

Seq. No.	43026	Seq. ID	OJ000350_06.0403.C23
Gene No.	90032	Strand	-
Start	9788	End	11471
Name	OJ000350_06.0403.C23.o4.tm	Method	TBLASTX:Maize
Start	6999	End	7508
GI	none	Score	99
Exons	6999..7175, 7125..7232, 7209..7508, 7211..7507		

Seq. No.	43026	Seq. ID	OJ000350_06.0403.C23
Gene No.	90032	Strand	-
Start	9788	End	11471
Name	OJ000350_06.0403.C23.o3.tm	Method	TBLASTX:Maize
Start	9665	End	11358
GI	none	Score	208
Exons	9665..9715, 9794..10003, 9795..10004, 9982..10143, 9993..10226, 10000..10143, 10004..10225, 10005..10226, 11218..11250, 11219..11251, 11251..11358, 11252..11338		

Seq. No.	43026	Seq. ID	OJ000350_06.0403.C23
Gene No.	90032	Strand	-

Start	9788	End	11471
Name	OJ000350_06.0403.C23.o2.gs	Method	GENSCAN
Start	9788	End	11424
GI	none	Score	.69
Exons	9788..10223, 11216..11424		

Seq. No.	43026	Seq. ID	OJ000350_06.0403.C23
Gene No.	90032	Strand	-
Start	9788	End	11471
Name	OJ000350_06.0403.C23.o3.np	Method	AAT/NAP
Start	9791	End	11424
GI	7339697	Score	1096
Exons	9791..10223, 11216..11424		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	43026	Seq. ID	OJ000350_06.0403.C23
Gene No.	90032	Strand	-
Start	9788	End	11471
Name	OJ000350_06.0403.C23.o1.ts	Method	TBLASTX:Soybean
Start	9794	End	11346
GI	none	Score	35
Exons	9794..9889, 9795..9827, 9819..9890, 9912..10226, 9914..10225, 11218..11346, 11219..11338		

Seq. No.	43026	Seq. ID	OJ000350_06.0403.C23
Gene No.	90032	Strand	-
Start	9788	End	11471
Name	OJ000350_06.0403.C23.o3.tc	Method	TBLASTX:Cress
Start	9830	End	11346
GI	none	Score	54
Exons	9830..9901, 9912..10070, 9914..10069, 10070..10225, 10071..10223, 11269..11346		

Seq. No.	43026	Seq. ID	OJ000350_06.0403.C23
Gene No.	90032	Strand	-
Start	9788	End	11471
Name	OJ000350_06.0403.C23.o3.gp	Method	AAT/GAP
Start	9862	End	11471
GI	23859_1.R1084	Score	1196
Exons	9862..10223, 11216..11471		
GI Descrip.	'5734756/gb\|AAD50021.1\|AC007651_16 5.0e-30 (AC007651) Similar to SOUL Protein [Arabidopsis thaliana]'		

Seq. No.	43027	Seq. ID	OJ000350_06.0403.C24
Gene No.	90033	Strand	+
Start	208	End	553
Name	OJ000350_06.0403.C24.o1.gs	Method	GENSCAN
Start	208	End	553
GI	none	Score	.87
Exons	208..302, 447..553		

Seq. No.	43027	Seq. ID	OJ000350_06.0403.C24
Gene No.	90034	Strand	+
Start	994	End	5048
Name	OJ000350_06.0403.C24.o1.np	Method	AAT/NAP
Start	994	End	4573
GI	7339694	Score	1200

Exons	994..1042, 2130..2364, 2477..2668, 3324..3548, 4490..4573		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		
Seq. No.	43027	Seq. ID	OJ000350_06.0403.C24
Gene No.	90034	Strand	+
Start	994	End	5048
Name	OJ000350_06.0403.C24.o2.gs	Method	GENSCAN
Start	994	End	5048
GI	none	Score	.72
Exons	994..1042, 2130..2364, 2477..2668, 3324..3548, 4961..5048		
Seq. No.	43027	Seq. ID	OJ000350_06.0403.C24
Gene No.	90035	Strand	+
Start	9688	End	9759
Name	OJ000350_06.0403.C24.o4.np	Method	AAT/NAP
Start	9688	End	9759
GI	7339691	Score	86
Exons	9688..9759		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		
Seq. No.	43027	Seq. ID	OJ000350_06.0403.C24
Gene No.	90036	Strand	-
Start	5620	End	11019
Name	OJ000350_06.0403.C24.o1.tw	Method	TBLASTX:Wheat
Start	2130	End	2645
GI	none	Score	140
Exons	2130..2351, 2148..2363, 2155..2364, 2168..2371, 2173..2364, 2474..2644, 2478..2645		
Seq. No.	43027	Seq. ID	OJ000350_06.0403.C24
Gene No.	90036	Strand	-
Start	5620	End	11019
Name	OJ000350_06.0403.C24.o1.tm	Method	TBLASTX:Maize
Start	2132	End	2776
GI	none	Score	127
Exons	2132..2251, 2142..2243, 2329..2364, 2330..2371, 2474..2683, 2475..2669, 2476..2676, 2486..2677, 2744..2776		
Seq. No.	43027	Seq. ID	OJ000350_06.0403.C24
Gene No.	90036	Strand	-
Start	5620	End	11019
Name	OJ000350_06.0403.C24.o2.ts	Method	TBLASTX:Soybean
Start	2475	End	2896
GI	none	Score	198
Exons	2475..2669, 2483..2668, 2705..2896, 2708..2872, 2772..2894		
Seq. No.	43027	Seq. ID	OJ000350_06.0403.C24
Gene No.	90036	Strand	-
Start	5620	End	11019
Name	OJ000350_06.0403.C24.o3.gs	Method	GENSCAN
Start	5620	End	11019
GI	none	Score	.4
Exons	5620..5773, 5869..5953, 6355..6482, 7211..7418, 8317..8531, 8952..9016, 9564..9842, 10972..11019		
Seq. No.	43027	Seq. ID	OJ000350_06.0403.C24
Gene No.	90036	Strand	-

Start	5620	End	11019
Name	OJ000350_06.0403.C24.o2.np	Method	AAT/NAP
Start	6341	End	7494
GI	7339693	Score	853
Exons	6341..6590, 7210..7494		
GI Descrip.	(AP001539) ESTs C72979(E2587),AU082675(E2587) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43027	Seq. ID	OJ000350_06.0403.C24
Gene No.	90036	Strand	-
Start	5620	End	11019
Name	OJ000350_06.0403.C24.o1.ts	Method	TBLASTX:Soybean
Start	6389	End	6597
GI	none	Score	90
Exons	6389..6466, 6393..6467, 6477..6590, 6481..6597		

Seq. No.	43027	Seq. ID	OJ000350_06.0403.C24
Gene No.	90036	Strand	-
Start	5620	End	11019
Name	OJ000350_06.0403.C24.o1.tc	Method	TBLASTX:Cress
Start	6392	End	6591
GI	none	Score	80
Exons	6392..6466, 6393..6467, 6477..6590, 6481..6591		

Seq. No.	43027	Seq. ID	OJ000350_06.0403.C24
Gene No.	90036	Strand	-
Start	5620	End	11019
Name	OJ000350_06.0403.C24.o2.tm	Method	TBLASTX:Maize
Start	6413	End	7500
GI	none	Score	64
Exons	6413..6466, 6414..6509, 6465..6533, 6477..6593, 6478..6591, 6538..6570, 7210..7263, 7305..7361, 7459..7500		

Seq. No.	43027	Seq. ID	OJ000350_06.0403.C24
Gene No.	90036	Strand	-
Start	5620	End	11019
Name	OJ000350_06.0403.C24.o1.gp	Method	AAT/GAP
Start	6471	End	7538
GI	2428516	Score	823
Exons	6471..6590, 7210..7538		

Seq. No.	43027	Seq. ID	OJ000350_06.0403.C24
Gene No.	90036	Strand	-
Start	5620	End	11019
Name	OJ000350_06.0403.C24.o3.np	Method	AAT/NAP
Start	8332	End	8976
GI	7339692	Score	263
Exons	8332..8483, 8952..8976		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	43028	Seq. ID	OJ000350_06.0403.C25
Gene No.	90037	Strand	+
Start	1	End	1246
Name	OJ000350_06.0403.C25.o1.np	Method	AAT/NAP
Start	1	End	1246
GI	4584255	Score	680

Exons	1..39, 846..1246		
GI Descrip.	(Y18471) SINA1p [Vitis vinifera]		
Seq. No.	43028	Seq. ID	OJ000350_06.0403.C25
Gene No.	90037	Strand	+
Start	1	End	1246
Name	OJ000350_06.0403.C25.o1.gs	Method	GENSCAN
Start	554	End	978
GI	none	Score	.99
Exons	554..556, 846..978		
Seq. No.	43028	Seq. ID	OJ000350_06.0403.C25
Gene No.	90038	Strand	-
Start	843	End	1246
Name	OJ000350_06.0403.C25.o1.ts	Method	TBLASTX:Soybean
Start	842	End	1235
GI	none	Score	668
Exons	842..1234, 843..1235		
Seq. No.	43028	Seq. ID	OJ000350_06.0403.C25
Gene No.	90038	Strand	-
Start	843	End	1246
Name	OJ000350_06.0403.C25.o1.gp	Method	AAT/GAP
Start	843	End	1246
GI	33921_1.R1084	Score	735
Exons	843..1246		
GI Descrip.	'5834248/gb\|AAD53877.1\|AF175124_1 1.0e-147 (AF175124) SINAH1 protein [Gossypium hirsutum]'		
Seq. No.	43028	Seq. ID	OJ000350_06.0403.C25
Gene No.	90038	Strand	-
Start	843	End	1246
Name	OJ000350_06.0403.C25.o1.tm	Method	TBLASTX:Maize
Start	843	End	1237
GI	none	Score	727
Exons	843..1235, 844..1227, 845..1237		
Seq. No.	43028	Seq. ID	OJ000350_06.0403.C25
Gene No.	90038	Strand	-
Start	843	End	1246
Name	OJ000350_06.0403.C25.o1.tc	Method	TBLASTX:Cress
Start	893	End	1177
GI	none	Score	451
Exons	893..1177, 894..1175		
Seq. No.	43029	Seq. ID	OJ000350_06.0403.C26
Gene No.	90039	Strand	+
Start	1383	End	1811
Name	OJ000350_06.0403.C26.o1.gs	Method	GENSCAN
Start	1383	End	1811
GI	none	Score	.49
Exons	1383..1586, 1752..1811		
Seq. No.	43029	Seq. ID	OJ000350_06.0403.C26
Gene No.	90040	Strand	+
Start	4115	End	4769
Name	OJ000350_06.0403.C26.o1.np	Method	AAT/NAP

Start	4115	End	4769
GI	4415931	Score	347
Exons	4115..4769		
GI Descrip.	(AC006418) putative ubiquitin [Arabidopsis thaliana]		

Seq. No.	43029	Seq. ID	OJ000350_06.0403.C26
Gene No.	90040	Strand	+
Start	4115	End	4769
Name	OJ000350_06.0403.C26.o1.tm	Method	TBLASTX:Maize
Start	4196	End	4614
GI	none	Score	319
Exons	4196..4543, 4234..4614		

Seq. No.	43029	Seq. ID	OJ000350_06.0403.C26
Gene No.	90040	Strand	+
Start	4115	End	4769
Name	OJ000350_06.0403.C26.o1.tc	Method	TBLASTX:Cress
Start	4264	End	4551
GI	none	Score	271
Exons	4264..4551, 4265..4549		

Seq. No.	43029	Seq. ID	OJ000350_06.0403.C26
Gene No.	90040	Strand	+
Start	4115	End	4769
Name	OJ000350_06.0403.C26.o1.ts	Method	TBLASTX:Soybean
Start	4264	End	4450
GI	none	Score	206
Exons	4264..4449, 4265..4450		

Seq. No.	43030	Seq. ID	OJ000350_06.0403.C27
Gene No.	90041	Strand	+
Start	1	End	1246
Name	OJ000350_06.0403.C27.o1.np	Method	AAT/NAP
Start	1	End	1246
GI	4415931	Score	704
Exons	1..356, 869..1246		
GI Descrip.	(AC006418) putative ubiquitin [Arabidopsis thaliana]		

Seq. No.	43030	Seq. ID	OJ000350_06.0403.C27
Gene No.	90041	Strand	+
Start	1	End	1246
Name	OJ000350_06.0403.C27.o1.tm	Method	TBLASTX:Maize
Start	3	End	1234
GI	none	Score	94
Exons	3..86, 50..85, 128..259, 131..307, 132..308, 273..353, 317..352, 866..1057, 867..992, 867..1106, 869..1234, 1012..1227		

Seq. No.	43030	Seq. ID	OJ000350_06.0403.C27
Gene No.	90041	Strand	+
Start	1	End	1246
Name	OJ000350_06.0403.C27.o2.ts	Method	TBLASTX:Soybean
Start	3	End	302
GI	none	Score	50
Exons	3..35, 41..91, 42..95, 125..211, 129..302, 143..298		

Seq. No.	43030	Seq. ID	OJ000350_06.0403.C27
Gene No.	90041	Strand	+

Start	1	End	1246
Name	OJ000350_06.0403.C27.o1.gs	Method	GENSCAN
Start	76	End	1246
GI	none	Score	.9
Exons	76..356, 869..1246		

Seq. No.	43030	Seq. ID	OJ000350_06.0403.C27
Gene No.	90041	Strand	+
Start	1	End	1246
Name	OJ000350_06.0403.C27.o1.tc	Method	TBLASTX:Cress
Start	141	End	356
GI	none	Score	301
Exons	141..356, 143..355		

Seq. No.	43030	Seq. ID	OJ000350_06.0403.C27
Gene No.	90041	Strand	+
Start	1	End	1246
Name	OJ000350_06.0403.C27.o1.tw	Method	TBLASTX:Wheat
Start	141	End	356
GI	none	Score	154
Exons	141..308, 206..307, 309..356,	309..338	

Seq. No.	43030	Seq. ID	OJ000350_06.0403.C27
Gene No.	90041	Strand	+
Start	1	End	1246
Name	OJ000350_06.0403.C27.o1.ts	Method	TBLASTX:Soybean
Start	854	End	1243
GI	none	Score	310
Exons	854..1243, 866..919, 1012..1242		

Seq. No.	43030	Seq. ID	OJ000350_06.0403.C27
Gene No.	90041	Strand	+
Start	1	End	1246
Name	OJ000350_06.0403.C27.o2.tc	Method	TBLASTX:Cress
Start	866	End	1243
GI	none	Score	113
Exons	866..907, 869..937, 932..991,	935..1243, 1018..1107	

Seq. No.	43031	Seq. ID	OJ000350_06.0403.C28
Gene No.	90042	Strand	+
Start	239	End	4573
Name	OJ000350_06.0403.C28.o1.gp	Method	AAT/GAP
Start	239	End	4573
GI	72829_1.R1084	Score	2341
Exons	239..430, 1410..1648, 2202..2361, 3814..4573		
GI Descrip.	'3157951 3.0e-35 (AC002131) Contains similarity to vesicle trafficking protein gb_U91538 from Mus musculus. ESTs gb_F15494 and gb_F14097 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	43031	Seq. ID	OJ000350_06.0403.C28
Gene No.	90042	Strand	+
Start	239	End	4573
Name	OJ000350_06.0403.C28.o1.gs	Method	GENSCAN
Start	306	End	3897
GI	none	Score	.7
Exons	306..430, 2260..2361, 2444..2575, 3046..3170, 3814..3897		

Seq. No.	43031	Seq. ID	OJ000350_06.0403.C28
Gene No.	90042	Strand	+
Start	239	End	4573
Name	OJ000350_06.0403.C28.o1.np	Method	AAT/NAP
Start	1461	End	3894
GI	3157951	Score	814
Exons	1461..1650, 2076..2361, 2444..2590, 3094..3170, 3814..3894		
GI Descrip.	(AC002131) Contains similarity to vesicle trafficking protein gb\|U91538 from Mus musculus. ESTs gb\|F15494 and gb\|F14097 come from this gene. [Arabidopsis thaliana]		

Seq. No.	43031	Seq. ID	OJ000350_06.0403.C28
Gene No.	90043	Strand	-
Start	3379	End	6971
Name	OJ000350_06.0403.C28.o1.ts	Method	TBLASTX:Soybean
Start	1436	End	3896
GI	none	Score	279
Exons	1436..1636, 1452..1652, 1459..1656, 1461..1652, 2202..2291, 2203..2292, 2256..2360, 2259..2360, 2267..2365, 2291..2365, 2442..2549, 2443..2586, 2450..2578, 3811..3894, 3813..3896		

Seq. No.	43031	Seq. ID	OJ000350_06.0403.C28
Gene No.	90043	Strand	-
Start	3379	End	6971
Name	OJ000350_06.0403.C28.o1.tm	Method	TBLASTX:Maize
Start	1452	End	3170
GI	none	Score	299
Exons	1452..1652, 1457..1648, 1459..1656, 1461..1652, 2202..2291, 2202..2288, 2203..2292, 2256..2360, 2286..2360, 2290..2364, 2291..2365, 2291..2365, 2442..2552, 2443..2589, 2450..2599, 2456..2587, 3093..3170, 3095..3166		

Seq. No.	43031	Seq. ID	OJ000350_06.0403.C28
Gene No.	90043	Strand	-
Start	3379	End	6971
Name	OJ000350_06.0403.C28.o1.tc	Method	TBLASTX:Cress
Start	1455	End	2592
GI	none	Score	271
Exons	1455..1652, 1460..1648, 1461..1652, 2202..2276, 2202..2279, 2203..2280, 2312..2413, 2313..2360, 2321..2365, 2443..2589, 2443..2592		

Seq. No.	43031	Seq. ID	OJ000350_06.0403.C28
Gene No.	90043	Strand	-
Start	3379	End	6971
Name	OJ000350_06.0403.C28.o2.np	Method	AAT/NAP
Start	3379	End	5412
GI	6633834	Score	238
Exons	3379..3406, 4967..5412		
GI Descrip.	(AC009519) F1N19.3 [Arabidopsis thaliana]		

Seq. No.	43031	Seq. ID	OJ000350_06.0403.C28
Gene No.	90043	Strand	-
Start	3379	End	6971
Name	OJ000350_06.0403.C28.o3.np	Method	AAT/NAP
Start	3990	End	6971
GI	322759	Score	76

Exons	3990..4022, 4969..5146, 5454..5737, 6899..6971		
GI Descrip.	pistil extensin-like protein (clone pMG14) - common tobacco (fragment) gi\|19927\|emb\|CAA78393\| (Z14015) pistil extensin like protein [Nicotiana tabacum]		

Seq. No.	43031	Seq. ID	OJ000350_06.0403.C28
Gene No.	90043	Strand	-
Start	3379	End	6971
Name	OJ000350_06.0403.C28.o2.gs	Method	GENSCAN
Start	4797	End	5576
GI	none	Score	.64
Exons	4797..5576		

Seq. No.	43031	Seq. ID	OJ000350_06.0403.C28
Gene No.	90043	Strand	-
Start	3379	End	6971
Name	OJ000350_06.0403.C28.o2.ts	Method	TBLASTX:Soybean
Start	5041	End	5288
GI	none	Score	79
Exons	5041..5223, 5058..5234, 5232..5288		

Seq. No.	43032	Seq. ID	OJ000350_06.0403.C29
Gene No.	90044	Strand	+
Start	169	End	305
Name	OJ000350_06.0403.C29.o1.gs	Method	GENSCAN
Start	169	End	305
GI	none	Score	.8
Exons	169..305		

Seq. No.	43032	Seq. ID	OJ000350_06.0403.C29
Gene No.	90045	Strand	+
Start	6573	End	10906
Name	OJ000350_06.0403.C29.o1.gp	Method	AAT/GAP
Start	6339	End	6396
GI	2312838	Score	69
Exons	6339..6396		
GI Descrip.	1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	43032	Seq. ID	OJ000350_06.0403.C29
Gene No.	90045	Strand	+
Start	6573	End	10906
Name	OJ000350_06.0403.C29.o4.gs	Method	GENSCAN
Start	6573	End	10635
GI	none	Score	.86
Exons	6573..6708, 7260..7822, 9590..9885, 10006..10075, 10170..10440, 10553..10635		

Seq. No.	43032	Seq. ID	OJ000350_06.0403.C29
Gene No.	90045	Strand	+
Start	6573	End	10906
Name	OJ000350_06.0403.C29.o2.np	Method	AAT/NAP
Start	7240	End	10906
GI	1174740	Score	863
Exons	7240..7822, 9590..9885, 10006..10075, 10170..10440, 10869..10906		
GI Descrip.	DNA TOPOISOMERASE II gi\|2129576\|pir\|\|S53599 DNA topoisomerase II - Arabidopsis thaliana gi\|474890 (L21015) topoisomerase II		

[Arabidopsis thaliana]

Seq. No.	43032	Seq. ID	OJ000350_06.0403.C29
Gene No.	90046	Strand	-
Start	1667	End	2124
Name	OJ000350_06.0403.C29.o2.gs	Method	GENSCAN
Start	1667	End	2124
GI	none	Score	.77
Exons	1667..1754, 1808..2124		

Seq. No.	43032	Seq. ID	OJ000350_06.0403.C29
Gene No.	90047	Strand	-
Start	3586	End	5570
Name	OJ000350_06.0403.C29.o1.tw	Method	TBLASTX:Wheat
Start	189	End	4258
GI	none	Score	56
Exons	189..269, 3835..3909, 3952..4254, 3959..4258		

Seq. No.	43032	Seq. ID	OJ000350_06.0403.C29
Gene No.	90047	Strand	-
Start	3586	End	5570
Name	OJ000350_06.0403.C29.o3.gs	Method	GENSCAN
Start	3586	End	5537
GI	none	Score	.96
Exons	3586..4364, 4385..5537		

Seq. No.	43032	Seq. ID	OJ000350_06.0403.C29
Gene No.	90047	Strand	-
Start	3586	End	5570
Name	OJ000350_06.0403.C29.o1.np	Method	AAT/NAP
Start	3589	End	5570
GI	6723392	Score	1259
Exons	3589..4298, 4385..4979, 5016..5570		
GI Descrip.	(AL132956) pectinesterase-like protein [Arabidopsis thaliana]		

Seq. No.	43032	Seq. ID	OJ000350_06.0403.C29
Gene No.	90047	Strand	-
Start	3586	End	5570
Name	OJ000350_06.0403.C29.o1.ts	Method	TBLASTX:Soybean
Start	3592	End	4167
GI	none	Score	189
Exons	3592..3909, 3599..3874, 3952..4077, 3968..4078, 4078..4167, 4079..4165		

Seq. No.	43032	Seq. ID	OJ000350_06.0403.C29
Gene No.	90047	Strand	-
Start	3586	End	5570
Name	OJ000350_06.0403.C29.o1.tc	Method	TBLASTX:Cress
Start	3613	End	4976
GI	none	Score	109
Exons	3613..3900, 3614..3877, 3955..4284, 3968..4285, 4416..4646, 4435..4623, 4911..4976		

Seq. No.	43032	Seq. ID	OJ000350_06.0403.C29
Gene No.	90047	Strand	-
Start	3586	End	5570
Name	OJ000350_06.0403.C29.o1.tm	Method	TBLASTX:Maize

Start	3677	End	4697
GI	none	Score	55
Exons	3677..3847, 3691..3774, 3799..3909, 3952..4284, 3956..4285, 4425..4625, 4435..4629, 4656..4697		

Seq. No.	43032	Seq. ID	OJ000350_06.0403.C29
Gene No.	90047	Strand	-
Start	3586	End	5570
Name	OJ000350_06.0403.C29.o2.ts	Method	TBLASTX:Soybean
Start	4168	End	4703
GI	none	Score	73
Exons	4168..4284, 4169..4285, 4387..4623, 4410..4649, 4608..4703		

Seq. No.	43032	Seq. ID	OJ000350_06.0403.C29
Gene No.	90048	Strand	
Start	7361	End	10439
Name	OJ000350_06.0403.C29.o2.tc	Method	TBLASTX:Cress
Start	7361	End	10439
GI	none	Score	56
Exons	7361..7414, 7406..7555, 7447..7548, 7631..7831, 7756..7830, 9581..9832, 9587..9889, 9589..9888, 10004..10057, 10137..10436, 10167..10439		

Seq. No.	43032	Seq. ID	OJ000350_06.0403.C29
Gene No.	90048	Strand	
Start	7361	End	10439
Name	OJ000350_06.0403.C29.o2.tm	Method	TBLASTX:Maize
Start	7598	End	9865
GI	none	Score	205
Exons	7598..7645, 7631..7825, 7631..7681, 7756..7824, 9587..9865, 9587..9865		

Seq. No.	43033	Seq. ID	OJ000350_06.0403.C30
Gene No.	90049	Strand	+
Start	435	End	585
Name	OJ000350_06.0403.C30.o1.gs	Method	GENSCAN
Start	435	End	585
GI	none	Score	.7
Exons	435..494, 523..585		

Seq. No.	43033	Seq. ID	OJ000350_06.0403.C30
Gene No.	90050	Strand	+
Start	10306	End	18367
Name	OJ000350_06.0403.C30.o2.np	Method	AAT/NAP
Start	10306	End	18367
GI	3757521	Score	567
Exons	10306..10328, 15771..15816, 16187..16250, 16336..16395, 17012..17151, 17253..17564, 18131..18367		
GI Descrip.	(AC005167) putative ubiquitin-conjugating enzyme [Arabidopsis thaliana]		

Seq. No.	43033	Seq. ID	OJ000350_06.0403.C30
Gene No.	90050	Strand	+
Start	10306	End	18367
Name	OJ000350_06.0403.C30.o2.gp	Method	AAT/GAP
Start	14003	End	16102
GI	2309855	Score	791

Exons	14003..14221, 14942..15031, 15638..15664, 16005..16102		
Seq. No.	43033	Seq. ID	OJ000350_06.0403.C30
Gene No.	90051	Strand	-
Start	1469	End	5584
Name	OJ000350_06.0403.C30.o2.gs	Method	GENSCAN
Start	1469	End	5584
GI	none	Score	.9
Exons	1469..1544, 1602..2286, 2395..2485, 2674..2859, 3302..3553, 3883..3987, 4568..4630, 5495..5584		
Seq. No.	43033	Seq. ID	OJ000350_06.0403.C30
Gene No.	90051	Strand	-
Start	1469	End	5584
Name	OJ000350_06.0403.C30.o1.gp	Method	AAT/GAP
Start	1946	End	2191
GI	2796687	Score	429
Exons	1946..2191		
Seq. No.	43033	Seq. ID	OJ000350_06.0403.C30
Gene No.	90052	Strand	-
Start	7345	End	9115
Name	OJ000350_06.0403.C30.o3.tm	Method	TBLASTX:Maize
Start	2653	End	3403
GI	none	Score	86
Exons	2653..2859, 3302..3403		
Seq. No.	43033	Seq. ID	OJ000350_06.0403.C30
Gene No.	90052	Strand	-
Start	7345	End	9115
Name	OJ000350_06.0403.C30.o1.np	Method	AAT/NAP
Start	7345	End	9115
GI	5922620	Score	73
Exons	7345..7474, 9071..9115		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6016853\|dbj\|BAA85196.1\| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	43033	Seq. ID	OJ000350_06.0403.C30
Gene No.	90053	Strand	
Start	14898	End	18358
Name	OJ000350_06.0403.C30.o2.tm	Method	TBLASTX:Maize
Start	14898	End	18358
GI	none	Score	43
Exons	14898..14948, 14899..14958, 14922..14954, 14967..15032, 14967..15044, 14969..15034, 16020..16082, 16023..16082, 16024..16083, 16067..16249, 16090..16248, 16329..16394, 16330..16395, 16340..16393, 16341..16394, 18130..18246, 18131..18358		
Seq. No.	43033	Seq. ID	OJ000350_06.0403.C30
Gene No.	90053	Strand	
Start	14898	End	18358
Name	OJ000350_06.0403.C30.o1.tc	Method	TBLASTX:Cress
Start	16178	End	17486

GI	none	Score	60
Exons	16178..16240, 16329..16394, 17002..17190, 17067..17150, 17256..17486, 17267..17449		

Seq. No.	43033	Seq. ID	OJ000350_06.0403.C30
Gene No.	90053	Strand	
Start	14898	End	18358
Name	OJ000350_06.0403.C30.o1.ts	Method	TBLASTX:Soybean
Start	16184	End	18222
GI	none	Score	50
Exons	16184..16234, 16329..16394, 17014..17190, 17070..17150, 17251..17442, 17252..17563, 17253..17564, 18133..18222		

Seq. No.	43033	Seq. ID	OJ000350_06.0403.C30
Gene No.	90053	Strand	
Start	14898	End	18358
Name	OJ000350_06.0403.C30.o1.tm	Method	TBLASTX:Maize
Start	17004	End	17567
GI	none	Score	72
Exons	17004..17084, 17009..17164, 17011..17211, 17067..17189, 17245..17565, 17246..17566, 17247..17567		

Seq. No.	43033	Seq. ID	OJ000350_06.0403.C30
Gene No.	90053	Strand	
Start	14898	End	18358
Name	OJ000350_06.0403.C30.o1.tw	Method	TBLASTX:Wheat
Start	17035	End	17561
GI	none	Score	151
Exons	17035..17190, 17048..17146, 17070..17150, 17259..17561, 17259..17363, 17267..17560		

Seq. No.	43034	Seq. ID	OJ000350_06.0403.C31
Gene No.	90054	Strand	+
Start	1	End	241
Name	OJ000350_06.0403.C31.o1.gp	Method	AAT/GAP
Start	1	End	241
GI	none	Score	478
Exons	1..241		

Seq. No.	43034	Seq. ID	OJ000350_06.0403.C31
Gene No.	90055	Strand	-
Start	192	End	2414
Name	OJ000350_06.0403.C31.o1.gs	Method	GENSCAN
Start	192	End	2414
GI	none	Score	.83
Exons	192..1065, 1735..2414		

Seq. No.	43034	Seq. ID	OJ000350_06.0403.C31
Gene No.	90055	Strand	-
Start	192	End	2414
Name	OJ000350_06.0403.C31.o1.np	Method	AAT/NAP
Start	195	End	2249
GI	1360141	Score	1435
Exons	195..1065, 1735..2249		
GI Descrip.	(X97980) protein kinase [Solanum berthaultii]		

Seq. No.	43034	Seq. ID	OJ000350_06.0403.C31

Gene No.	90055	Strand	-
Start	192	End	2414
Name	OJ000350_06.0403.C31.o1.ts	Method	TBLASTX:Soybean
Start	285	End	1814
GI	none	Score	137
Exons	285..449, 295..435, 498..752, 505..717, 891..1070, 892..1065, 1686..1814		

Seq. No.	43034	Seq. ID	OJ000350_06.0403.C31
Gene No.	90055	Strand	-
Start	192	End	2414
Name	OJ000350_06.0403.C31.o1.tc	Method	TBLASTX:Cress
Start	292	End	2177
GI	none	Score	143
Exons	292..432, 294..449, 498..683, 498..716, 508..717, 888..1067, 898..1092, 1686..2177, 1795..2109		

Seq. No.	43034	Seq. ID	OJ000350_06.0403.C31
Gene No.	90055	Strand	-
Start	192	End	2414
Name	OJ000350_06.0403.C31.o1.tw	Method	TBLASTX:Wheat
Start	294	End	659
GI	none	Score	126
Exons	294..449, 295..441, 495..644, 498..659, 517..657		

Seq. No.	43034	Seq. ID	OJ000350_06.0403.C31
Gene No.	90055	Strand	-
Start	192	End	2414
Name	OJ000350_06.0403.C31.o1.tm	Method	TBLASTX:Maize
Start	297	End	1050
GI	none	Score	129
Exons	297..449, 298..441, 498..773, 517..753, 750..812, 891..1049, 895..1050		

Seq. No.	43034	Seq. ID	OJ000350_06.0403.C31
Gene No.	90055	Strand	-
Start	192	End	2414
Name	OJ000350_06.0403.C31.o2.gp	Method	AAT/GAP
Start	858	End	1947
GI	uC-osf1cyp017a03b1	Score	810
Exons	858..1065, 1735..1947		
GI Descrip.	'1360141/emb\|CAA66616\| 7.0e-63 (X97980) protein kinase [Solanum berthaultii]'		

Seq. No.	43034	Seq. ID	OJ000350_06.0403.C31
Gene No.	90055	Strand	-
Start	192	End	2414
Name	OJ000350_06.0403.C31.o2.tm	Method	TBLASTX:Maize
Start	1686	End	2177
GI	none	Score	238
Exons	1686..2177, 1789..2127		

Seq. No.	43034	Seq. ID	OJ000350_06.0403.C31
Gene No.	90055	Strand	-
Start	192	End	2414
Name	OJ000350_06.0403.C31.o2.ts	Method	TBLASTX:Soybean
Start	1815	End	2177

GI	none	Score	184
Exons	1815..2177, 1816..2100		

Seq. No.	43035	Seq. ID	OJ000350_06.0403.C32
Gene No.	90056	Strand	+
Start	8152	End	10950
Name	OJ000350_06.0403.C32.o1.gp	Method	AAT/GAP
Start	8056	End	10950
GI	97_1.R1084	Score	2064
Exons	8056..8364, 9212..9620, 9727..9860, 10571..10663, 10757..10950		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		

Seq. No.	43035	Seq. ID	OJ000350_06.0403.C32
Gene No.	90056	Strand	+
Start	8152	End	10950
Name	OJ000350_06.0403.C32.o1.np	Method	AAT/NAP
Start	8152	End	10950
GI	6331695	Score	1508
Exons	8152..8364, 9212..9620, 9727..9860, 10571..10663, 10757..10950		
GI Descrip.	(AB024986) cyclin [Oryza sativa]		

Seq. No.	43035	Seq. ID	OJ000350_06.0403.C32
Gene No.	90056	Strand	+
Start	8152	End	10950
Name	OJ000350_06.0403.C32.o4.gs	Method	GENSCAN
Start	8152	End	10890
GI	none	Score	.94
Exons	8152..8364, 9212..9620, 9727..9860, 10757..10890		

Seq. No.	43035	Seq. ID	OJ000350_06.0403.C32
Gene No.	90057	Strand	-
Start	1825	End	4026
Name	OJ000350_06.0403.C32.o2.gs	Method	GENSCAN
Start	1825	End	4026
GI	none	Score	.82
Exons	1825..1875, 1991..2032, 2147..2312, 2366..2545, 3923..4026		

Seq. No.	43035	Seq. ID	OJ000350_06.0403.C32
Gene No.	90058	Strand	
Start	9386	End	10897
Name	OJ000350_06.0403.C32.o1.ts	Method	TBLASTX:Soybean
Start	9386	End	10897
GI	none	Score	114
Exons	9386..9556, 9768..9860, 9781..9864, 10568..10669, 10576..10665, 10592..10669, 10744..10887, 10748..10897, 10751..10891		

Seq. No.	43035	Seq. ID	OJ000350_06.0403.C32
Gene No.	90058	Strand	
Start	9386	End	10897
Name	OJ000350_06.0403.C32.o1.tm	Method	TBLASTX:Maize
Start	9721	End	10822
GI	none	Score	191
Exons	9721..9858, 9722..9859, 9726..9860, 10568..10669, 10570..10665, 10577..10723, 10735..10821, 10748..10822, 10751..10822		

Seq. No.	43035	Seq. ID	OJ000350_06.0403.C32
Gene No.	90058	Strand	

Start	9386	End	10897
Name	OJ000350_06.0403.C32.o1.tc	Method	TBLASTX:Cress
Start	9729	End	10893
GI	none	Score	105
Exons	9729..9863, 10568..10669, 10589..10663, 10744..10893, 10751..10891		

Seq. No.	43036	Seq. ID	OJ000350_06.0403.C33
Gene No.	90059	Strand	+
Start	1	End	898
Name	OJ000350_06.0403.C33.o1.gp	Method	AAT/GAP
Start	1	End	704
GI	97_1.R1084	Score	1098
Exons	1..167, 249..704		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		

Seq. No.	43036	Seq. ID	OJ000350_06.0403.C33
Gene No.	90059	Strand	+
Start	1	End	898
Name	OJ000350_06.0403.C33.o1.np	Method	AAT/NAP
Start	1	End	317
GI	6331695	Score	273
Exons	1..167, 249..317		
GI Descrip.	(AB024986) cyclin [Oryza sativa]		

Seq. No.	43036	Seq. ID	OJ000350_06.0403.C33
Gene No.	90059	Strand	+
Start	1	End	898
Name	OJ000350_06.0403.C33.o1.gs	Method	GENSCAN
Start	113	End	898
GI	none	Score	.75
Exons	113..167, 474..518, 845..898		

Seq. No.	43036	Seq. ID	OJ000350_06.0403.C33
Gene No.	90060	Strand	+
Start	5251	End	5387
Name	OJ000350_06.0403.C33.o4.gp	Method	AAT/GAP
Start	5251	End	5387
GI	23880_4.R1084	Score	139
Exons	5251..5297, 5328..5387		
GI Descrip.	'5777619/emb\|CAB53480.1\| 4.0e-17 (AJ245900) CAA30377.1 protein [Oryza sativa]'		

Seq. No.	43036	Seq. ID	OJ000350_06.0403.C33
Gene No.	90061	Strand	+
Start	9077	End	11210
Name	OJ000350_06.0403.C33.o2.np	Method	AAT/NAP
Start	9017	End	10709
GI	6331695	Score	900
Exons	9017..9217, 10084..10492, 10576..10709		
GI Descrip.	(AB024986) cyclin [Oryza sativa]		

Seq. No.	43036	Seq. ID	OJ000350_06.0403.C33
Gene No.	90061	Strand	+
Start	9077	End	11210
Name	OJ000350_06.0403.C33.o3.gs	Method	GENSCAN
Start	9077	End	11210

GI	none	Score	.71
Exons	9077..9199, 10084..10235, 10308..10492, 10576..10709, 11118..11210		

Seq. No.	43036	Seq. ID	OJ000350_06.0403.C33
Gene No.	90061	Strand	+
Start	9077	End	11210
Name	OJ000350_06.0403.C33.o5.gp	Method	AAT/GAP
Start	10083	End	10752
GI	97_1.R1084	Score	928
Exons	10083..10492, 10576..10752		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		

Seq. No.	43036	Seq. ID	OJ000350_06.0403.C33
Gene No.	90062	Strand	-
Start	1964	End	6572
Name	OJ000350_06.0403.C33.o2.gp	Method	AAT/GAP
Start	1630	End	1876
GI	none	Score	410
Exons	1630..1876		

Seq. No.	43036	Seq. ID	OJ000350_06.0403.C33
Gene No.	90062	Strand	-
Start	1964	End	6572
Name	OJ000350_06.0403.C33.o3.gp	Method	AAT/GAP
Start	1877	End	4165
GI	90811_1.R1084	Score	924
Exons	1877..2060, 2236..2293, 2376..2403, 2560..2629, 3197..3297, 4081..4165		
GI Descrip.	'2388999/emb\|CAB11732\| 8.0e-10 (Z98981) hypothetical protein [Schizosaccharomyces pombe]'		

Seq. No.	43036	Seq. ID	OJ000350_06.0403.C33
Gene No.	90062	Strand	-
Start	1964	End	6572
Name	OJ000350_06.0403.C33.o2.gs	Method	GENSCAN
Start	1964	End	6572
GI	none	Score	.55
Exons	1964..2060, 2236..2293, 2376..2403, 2560..2629, 3197..3297, 4081..4358, 5486..5531, 6492..6572		

Seq. No.	43036	Seq. ID	OJ000350_06.0403.C33
Gene No.	90063	Strand	-
Start	11538	End	12997
Name	OJ000350_06.0403.C33.o1.tm	Method	TBLASTX:Maize
Start	19	End	393
GI	none	Score	114
Exons	19..165, 20..166, 32..166, 33..167, 84..176, 246..326, 247..327, 247..315, 248..328, 334..393		

Seq. No.	43036	Seq. ID	OJ000350_06.0403.C33
Gene No.	90063	Strand	-
Start	11538	End	12997
Name	OJ000350_06.0403.C33.o4.tm	Method	TBLASTX:Maize
Start	10570	End	10709
GI	none	Score	186
Exons	10570..10707, 10571..10708, 10575..10709, 10575..10709		

Seq. No.	43036	Seq. ID	OJ000350_06.0403.C33
Gene No.	90063	Strand	-
Start	11538	End	12997
Name	OJ000350_06.0403.C33.o2.tm	Method	TBLASTX:Maize
Start	11464	End	11842
GI	none	Score	108
Exons	11464..11694, 11466..11660, 11665..11841, 11684..11842		

Seq. No.	43036	Seq. ID	OJ000350_06.0403.C33
Gene No.	90063	Strand	-
Start	11538	End	12997
Name	OJ000350_06.0403.C33.o3.np	Method	AAT/NAP
Start	11538	End	12997
GI	3810596	Score	381
Exons	11538..11900, 12384..12880, 12978..12997		
GI Descrip.	(AC005398) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	43036	Seq. ID	OJ000350_06.0403.C33
Gene No.	90063	Strand	-
Start	11538	End	12997
Name	OJ000350_06.0403.C33.o3.tm	Method	TBLASTX:Maize
Start	12601	End	12777
GI	none	Score	105
Exons	12601..12693, 12682..12777		

Seq. No.	43037	Seq. ID	OJ000350_06.0403.C34
Gene No.	90064	Strand	+
Start	5218	End	7117
Name	OJ000350_06.0403.C34.o1.gp	Method	AAT/GAP
Start	5155	End	6861
GI	97_1.R1084	Score	1697
Exons	5155..5250, 5344..5477, 5565..5640, 5705..5781, 5863..5896, 5982..6131, 6241..6375, 6466..6861		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		

Seq. No.	43037	Seq. ID	OJ000350_06.0403.C34
Gene No.	90064	Strand	+
Start	5218	End	7117
Name	OJ000350_06.0403.C34.o2.np	Method	AAT/NAP
Start	5158	End	6534
GI	6331695	Score	1087
Exons	5158..5250, 5344..5477, 5565..5640, 5705..5781, 5863..5896, 5982..6131, 6241..6375, 6466..6534		
GI Descrip.	(AB024986) cyclin [Oryza sativa]		

Seq. No.	43037	Seq. ID	OJ000350_06.0403.C34
Gene No.	90064	Strand	+
Start	5218	End	7117
Name	OJ000350_06.0403.C34.o2.gs	Method	GENSCAN
Start	5218	End	7117
GI	none	Score	.94
Exons	5218..5250, 5344..5477, 5565..5640, 5967..6131, 7061..7117		

Seq. No.	43037	Seq. ID	OJ000350_06.0403.C34
Gene No.	90065	Strand	-

Start	1	End	7031
Name	OJ000350_06.0403.C34.o1.np	Method	AAT/NAP
Start	1	End	7031
GI	6466937	Score	1124
Exons	1..689, 1145..1659, 2145..3033, 7009..7031		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	43037	Seq. ID	OJ000350_06.0403.C34
Gene No.	90065	Strand	-
Start	1	End	7031
Name	OJ000350_06.0403.C34.o1.gs	Method	GENSCAN
Start	92	End	4459
GI	none	Score	.7
Exons	92..617, 628..696, 1146..1298, 1304..1649, 2003..2210, 2294..2455, 2518..2790, 3093..3239, 3406..3517, 3576..4083, 4159..4459		

Seq. No.	43037	Seq. ID	OJ000350_06.0403.C34
Gene No.	90065	Strand	-
Start	1	End	7031
Name	OJ000350_06.0403.C34.o2.ts	Method	TBLASTX:Soybean
Start	116	End	439
GI	none	Score	81
Exons	116..439, 207..383		

Seq. No.	43037	Seq. ID	OJ000350_06.0403.C34
Gene No.	90065	Strand	-
Start	1	End	7031
Name	OJ000350_06.0403.C34.o4.tm	Method	TBLASTX:Maize
Start	269	End	502
GI	none	Score	140
Exons	269..502, 270..500		

Seq. No.	43037	Seq. ID	OJ000350_06.0403.C34
Gene No.	90065	Strand	-
Start	1	End	7031
Name	OJ000350_06.0403.C34.o3.tm	Method	TBLASTX:Maize
Start	1217	End	1665
GI	none	Score	238
Exons	1217..1306, 1309..1665		

Seq. No.	43037	Seq. ID	OJ000350_06.0403.C34
Gene No.	90065	Strand	-
Start	1	End	7031
Name	OJ000350_06.0403.C34.o3.ts	Method	TBLASTX:Soybean
Start	2154	End	2440
GI	none	Score	113
Exons	2154..2261, 2279..2440		

Seq. No.	43037	Seq. ID	OJ000350_06.0403.C34
Gene No.	90065	Strand	-
Start	1	End	7031
Name	OJ000350_06.0403.C34.o2.tm	Method	TBLASTX:Maize
Start	2444	End	2787
GI	none	Score	151
Exons	2444..2665, 2446..2787		

Seq. No.	43037	Seq. ID	OJ000350_06.0403.C34
Gene No.	90065	Strand	-
Start	1	End	7031
Name	OJ000350_06.0403.C34.o1.tw	Method	TBLASTX:Wheat
Start	2479	End	2784
GI	none	Score	120
Exons	2479..2784, 2512..2784		

Seq. No.	43037	Seq. ID	OJ000350_06.0403.C34
Gene No.	90065	Strand	-
Start	1	End	7031
Name	OJ000350_06.0403.C34.o1.tc	Method	TBLASTX:Cress
Start	5155	End	6375
GI	none	Score	112
Exons	5155..5256, 5176..5250, 5331..5480, 5338..5478, 5565..5642, 5566..5643, 5702..5782, 5883..5912, 5985..6131, 6241..6375		

Seq. No.	43037	Seq. ID	OJ000350_06.0403.C34
Gene No.	90065	Strand	-
Start	1	End	7031
Name	OJ000350_06.0403.C34.o5.tm	Method	TBLASTX:Maize
Start	5155	End	5409
GI	none	Score	164
Exons	5155..5256, 5157..5252, 5164..5310, 5322..5408, 5335..5409, 5338..5409		

Seq. No.	43037	Seq. ID	OJ000350_06.0403.C34
Gene No.	90065	Strand	-
Start	1	End	7031
Name	OJ000350_06.0403.C34.o1.ts	Method	TBLASTX:Soybean
Start	5155	End	6525
GI	none	Score	140
Exons	5155..5256, 5163..5252, 5179..5256, 5331..5474, 5335..5484, 5338..5478, 5566..5643, 5566..5643, 5568..5645, 5660..5776, 5702..5782, 5703..5777, 5704..5781, 5861..5899, 5981..6127, 5985..6137, 6240..6374, 6241..6375, 6463..6525, 6465..6518		

Seq. No.	43037	Seq. ID	OJ000350_06.0403.C34
Gene No.	90065	Strand	-
Start	1	End	7031
Name	OJ000350_06.0403.C34.o1.tm	Method	TBLASTX:Maize
Start	5756	End	6543
GI	none	Score	55
Exons	5756..5782, 5845..5901, 5862..5897, 5979..6137, 5980..6129, 5981..6130, 6213..6374, 6227..6373, 6240..6374, 6241..6375, 6292..6384, 6463..6543, 6464..6532, 6465..6533		

Seq. No.	43038	Seq. ID	OJ000350_06.0403.C35
Gene No.	90066	Strand	-
Start	101	End	551
Name	OJ000350_06.0403.C35.o1.np	Method	AAT/NAP
Start	101	End	551
GI	7339703	Score	677
Exons	101..551		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	43038	Seq. ID	OJ000350_06.0403.C35
Gene No.	90066	Strand	-
Start	101	End	551
Name	OJ000350_06.0403.C35.o1.gs	Method	GENSCAN
Start	226	End	520
GI	none	Score	.43
Exons	226..520		

Seq. No.	43039	Seq. ID	OJ000350_01.0405.C3
Gene No.	90067	Strand	+
Start	258	End	1109
Name	OJ000350_01.0405.C3.o1.gs	Method	GENSCAN
Start	258	End	1109
GI	none	Score	.79
Exons	258..1109		

Seq. No.	43039	Seq. ID	OJ000350_01.0405.C3
Gene No.	90068	Strand	+
Start	2636	End	3101
Name	OJ000350_01.0405.C3.o2.np	Method	AAT/NAP
Start	2636	End	3101
GI	7489803	Score	198
Exons	2636..3101		
GI Descrip.	pol protein homolog - maize retrotransposon Opie-2 gi\|3645899\|gb\|AAC49502.1\| (U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	43039	Seq. ID	OJ000350_01.0405.C3
Gene No.	90069	Strand	-
Start	2620	End	3081
Name	OJ000350_01.0405.C3.o1.tw	Method	TBLASTX:Wheat
Start	984	End	1373
GI	none	Score	76
Exons	984..1163, 1211..1354, 1212..1373		

Seq. No.	43039	Seq. ID	OJ000350_01.0405.C3
Gene No.	90069	Strand	-
Start	2620	End	3081
Name	OJ000350_01.0405.C3.o1.tm	Method	TBLASTX:Maize
Start	1313	End	1591
GI	none	Score	100
Exons	1313..1375, 1317..1379, 1376..1591, 1384..1509		

Seq. No.	43039	Seq. ID	OJ000350_01.0405.C3
Gene No.	90069	Strand	-
Start	2620	End	3081
Name	OJ000350_01.0405.C3.o2.gs	Method	GENSCAN
Start	2620	End	3081
GI	none	Score	.82
Exons	2620..2917, 3014..3081		

Seq. No.	43040	Seq. ID	OJ000350_01.0405.C4
Gene No.	90070	Strand	+
Start	1	End	334
Name	OJ000350_01.0405.C4.o1.np	Method	AAT/NAP
Start	1	End	334
GI	4416302	Score	319

Exons	1..334		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		
Seq. No.	43040	Seq. ID	OJ000350_01.0405.C4
Gene No.	90070	Strand	+
Start	1	End	334
Name	OJ000350_01.0405.C4.o1.tm	Method	TBLASTX:Maize
Start	7	End	313
GI	none	Score	346
Exons	7..282, 14..313, 23..283		
Seq. No.	43040	Seq. ID	OJ000350_01.0405.C4
Gene No.	90070	Strand	+
Start	1	End	334
Name	OJ000350_01.0405.C4.o1.tc	Method	TBLASTX:Cress
Start	80	End	310
GI	none	Score	177
Exons	80..310, 85..297		
Seq. No.	43040	Seq. ID	OJ000350_01.0405.C4
Gene No.	90070	Strand	+
Start	1	End	334
Name	OJ000350_01.0405.C4.o1.gs	Method	GENSCAN
Start	112	End	334
GI	none	Score	.67
Exons	112..334		
Seq. No.	43041	Seq. ID	OJ000350_01.0405.C10
Gene No.	90071	Strand	+
Start	56	End	671
Name	OJ000350_01.0405.C10.o1.gs	Method	GENSCAN
Start	56	End	671
GI	none	Score	.62
Exons	56..169, 484..671		
Seq. No.	43041	Seq. ID	OJ000350_01.0405.C10
Gene No.	90072	Strand	-
Start	591	End	1735
Name	OJ000350_01.0405.C10.o1.np	Method	AAT/NAP
Start	591	End	1735
GI	6498434	Score	87
Exons	591..671, 1709..1735		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		
Seq. No.	43042	Seq. ID	OJ000350_01.0405.C11
Gene No.	90073	Strand	+
Start	154	End	798
Name	OJ000350_01.0405.C11.o1.np	Method	AAT/NAP
Start	154	End	798
GI	7484961	Score	157
Exons	154..798		
GI Descrip.	extensin homolog T9E8.80 - Arabidopsis thaliana gi\|4584539\|emb\|CAB40769.1\| (AL049608) extensin-like protein [Arabidopsis thaliana] gi\|7268037\|emb\|CAB78376.1\| (AL161536) extensin-like protein [Arabidopsis thaliana]		
Seq. No.	43042	Seq. ID	OJ000350_01.0405.C11

Gene No.	90074	Strand	-
Start	669	End	787
Name	OJ000350_01.0405.C11.o1.gs	Method	GENSCAN
Start	669	End	787
GI	none	Score	.99
Exons	669..787		

Seq. No.	43043	Seq. ID	OJ000350_01.0405.C13
Gene No.	90075	Strand	-
Start	1	End	706
Name	OJ000350_01.0405.C13.o1.np	Method	AAT/NAP
Start	1	End	706
GI	4378066	Score	599
Exons	1..706		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi\|4680208\|gb\|AAD27571.1\|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	43043	Seq. ID	OJ000350_01.0405.C13
Gene No.	90075	Strand	-
Start	1	End	706
Name	OJ000350_01.0405.C13.o1.gs	Method	GENSCAN
Start	95	End	462
GI	none	Score	.67
Exons	95..271, 351..462		

Seq. No.	43043	Seq. ID	OJ000350_01.0405.C13
Gene No.	90075	Strand	-
Start	1	End	706
Name	OJ000350_01.0405.C13.o1.tm	Method	TBLASTX:Maize
Start	168	End	487
GI	none	Score	137
Exons	168..302, 169..297, 290..487, 291..428		

Seq. No.	43043	Seq. ID	OJ000350_01.0405.C13
Gene No.	90075	Strand	-
Start	1	End	706
Name	OJ000350_01.0405.C13.o1.tw	Method	TBLASTX:Wheat
Start	290	End	678
GI	none	Score	56
Exons	290..487, 372..485, 514..678		

Seq. No.	43043	Seq. ID	OJ000350_01.0405.C13
Gene No.	90075	Strand	-
Start	1	End	706
Name	OJ000350_01.0405.C13.o2.tm	Method	TBLASTX:Maize
Start	508	End	705
GI	none	Score	84
Exons	508..705, 518..661		

Seq. No.	43044	Seq. ID	OJ000350_01.0405.C14
Gene No.	90076	Strand	+
Start	267	End	847
Name	OJ000350_01.0405.C14.o1.tm	Method	TBLASTX:Maize
Start	1	End	847
GI	none	Score	102
Exons	1..105, 1..105, 3..116, 3..116, 114..164, 231..308, 267..404,		

666..809, 677..775, 679..810, 682..810, 701..847

Seq. No.	43044	Seq. ID	OJ000350_01.0405.C14
Gene No.	90076	Strand	+
Start	267	End	847
Name	OJ000350_01.0405.C14.o1.gs	Method	GENSCAN
Start	267	End	360
GI	none	Score	.76
Exons	267..360		

Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90077	Strand	+
Start	204	End	509
Name	OJ000350_01.0405.C15.o1.gs	Method	GENSCAN
Start	204	End	509
GI	none	Score	.88
Exons	204..509		

Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90078	Strand	+
Start	13253	End	16042
Name	OJ000350_01.0405.C15.o4.gs	Method	GENSCAN
Start	13253	End	16042
GI	none	Score	.78
Exons	13253..13348, 13705..14196, 14712..15009, 15079..15285, 15846..16042		

Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90078	Strand	+
Start	13253	End	16042
Name	OJ000350_01.0405.C15.o3.np	Method	AAT/NAP
Start	13669	End	15370
GI	7486929	Score	620
Exons	13669..14196, 14712..15370		
GI Descrip.	hypothetical protein T13D8.29 - Arabidopsis thaliana gi\|3249084\|gb\|AAC24068.1\| (AC004473) Similar to red-1 (related to thioredoxin) gene gb\|X92750 from Mus musculus. ESTs gb\|AA712687 and gb\|Z37223 come from this gene [Arabidopsis thaliana]		

Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90079	Strand	+
Start	16999	End	22810
Name	OJ000350_01.0405.C15.o5.gs	Method	GENSCAN
Start	16999	End	22622
GI	none	Score	.75
Exons	16999..17153, 18284..18347, 18429..18534, 18640..18751, 18854..19022, 19188..19322, 19402..19745, 20014..20149, 20234..20390, 20608..20788, 20867..21125, 21336..22079, 22293..22421, 22458..22622		

Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90079	Strand	+
Start	16999	End	22810
Name	OJ000350_01.0405.C15.o4.np	Method	AAT/NAP
Start	17008	End	22619
GI	7486095	Score	3474

Exons	17008..17153, 18284..18347, 18429..18534, 18640..18751, 18854..19022, 19188..19321, 19398..19745, 20014..20149, 20234..20482, 20568..20788, 20867..21125, 21336..22085, 22293..22619
GI Descrip.	hypothetical protein F24L7.13 - Arabidopsis thaliana gi\|2914700\|gb\|AAC04490.1\| (AC003974) 26S proteasome regulatory subunit [Arabidopsis thaliana]

Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90079	Strand	+
Start	16999	End	22810
Name	OJ000350_01.0405.C15.o2.gp	Method	AAT/GAP
Start	19450	End	20325
GI	uC-osflcyp156d05b1	Score	972
Exons	19450..19745, 20014..20149, 20234..20325		
GI Descrip.	'1168811/sp\|P25859\|CC2B_ARATH 2.0e-17 CELL DIVISION CONTROL PROTEIN 2 HOMOLOG B >gi_282864_pir__S23096 protein kinase (EC 2.7.1.37) cdc2 homolog B - Arabidopsis thaliana >gi_217851_dbj_BAA01624_ (D10851) p32 protein serine/threonine kinase-related protein [Arabidopsis thaliana]'		

Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90079	Strand	+
Start	16999	End	22810
Name	OJ000350_01.0405.C15.o3.gp	Method	AAT/GAP
Start	21984	End	22810
GI	14312_1.R1084	Score	1183
Exons	21984..22079, 22293..22810		
GI Descrip.	'2914700 3.0e-31 (AC003974) tRNA-processing protein SEN3-like [Arabidopsis thaliana]'		

Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90080	Strand	-
Start	4761	End	10443
Name	OJ000350_01.0405.C15.o1.np	Method	AAT/NAP
Start	3706	End	9009
GI	6069646	Score	1041
Exons	3706..4682, 4965..5786, 8892..9009		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90080	Strand	-
Start	4761	End	10443
Name	OJ000350_01.0405.C15.o2.gs	Method	GENSCAN
Start	4761	End	10443
GI	none	Score	.56
Exons	4761..5947, 6116..7010, 7319..10055, 10088..10443		

Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90080	Strand	-
Start	4761	End	10443
Name	OJ000350_01.0405.C15.o1.gp	Method	AAT/GAP
Start	5956	End	6435

GI	5455614	Score	951
Exons	5956..6435		
Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90081	Strand	-
Start	24024	End	30351
Name	OJ000350_01.0405.C15.o7.tm	Method	TBLASTX:Maize
Start	3744	End	4280
GI	none	Score	123
Exons	3744..4280, 3913..4158, 4002..4265		
Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90081	Strand	-
Start	24024	End	30351
Name	OJ000350_01.0405.C15.o5.ts	Method	TBLASTX:Soybean
Start	4575	End	5123
GI	none	Score	157
Exons	4575..4697, 4797..5123		
Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90081	Strand	-
Start	24024	End	30351
Name	OJ000350_01.0405.C15.o1.tw	Method	TBLASTX:Wheat
Start	4662	End	5102
GI	none	Score	180
Exons	4662..4760, 4800..5102		
Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90081	Strand	-
Start	24024	End	30351
Name	OJ000350_01.0405.C15.o3.tm	Method	TBLASTX:Maize
Start	4737	End	5429
GI	none	Score	71
Exons	4737..5429, 4960..5196		
Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90081	Strand	-
Start	24024	End	30351
Name	OJ000350_01.0405.C15.o2.tw	Method	TBLASTX:Wheat
Start	5235	End	5522
GI	none	Score	91
Exons	5235..5522, 5236..5499		
Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90081	Strand	-
Start	24024	End	30351
Name	OJ000350_01.0405.C15.o6.tm	Method	TBLASTX:Maize
Start	5452	End	5939
GI	none	Score	64
Exons	5452..5544, 5457..5543, 5517..5801, 5554..5763, 5784..5939, 5802..5927		
Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90081	Strand	-
Start	24024	End	30351
Name	OJ000350_01.0405.C15.o3.tw	Method	TBLASTX:Wheat
Start	5529	End	5864

GI	none	Score	91
Exons	5529..5735, 5724..5864		

Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90081	Strand	-
Start	24024	End	30351
Name	OJ000350_01.0405.C15.o10.tm	Method	TBLASTX:Maize
Start	5940	End	6371
GI	none	Score	86
Exons	5940..6371, 6103..6333		

Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90081	Strand	-
Start	24024	End	30351
Name	OJ000350_01.0405.C15.o9.tm	Method	TBLASTX:Maize
Start	6576	End	6857
GI	none	Score	52
Exons	6576..6716, 6588..6683, 6693..6857, 6763..6855		

Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90081	Strand	-
Start	24024	End	30351
Name	OJ000350_01.0405.C15.o5.tm	Method	TBLASTX:Maize
Start	13681	End	15278
GI	none	Score	231
Exons	13681..13923, 13681..13986, 13681..14001, 13681..13911, 13683..13925, 13749..13922, 14026..14199, 14709..14822, 14709..14825, 14709..14825, 14709..14825, 14840..15088, 14841..14951, 14841..15161, 14844..15122, 14844..14936, 14858..15088, 15009..15128, 15159..15278		

Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90081	Strand	-
Start	24024	End	30351
Name	OJ000350_01.0405.C15.o3.ts	Method	TBLASTX:Soybean
Start	13846	End	15311
GI	none	Score	89
Exons	13846..13986, 14041..14103, 14853..15284, 14858..15082, 14998..15240, 15051..15311		

Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90081	Strand	-
Start	24024	End	30351
Name	OJ000350_01.0405.C15.o6.tc	Method	TBLASTX:Cress
Start	17038	End	18695
GI	none	Score	110
Exons	17038..17145, 18297..18350, 18414..18551, 18639..18695		

Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90081	Strand	-
Start	24024	End	30351
Name	OJ000350_01.0405.C15.o4.ts	Method	TBLASTX:Soybean
Start	18432	End	19491
GI	none	Score	139
Exons	18432..18551, 18638..18754, 18639..18752, 18851..19024, 18864..19025, 19185..19310, 19186..19314, 19187..19306, 19384..19491, 19401..19490		

Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90081	Strand	-
Start	24024	End	30351
Name	OJ000350_01.0405.C15.o5.tc	Method	TBLASTX:Cress
Start	19185	End	19608
GI	none	Score	156
Exons	19185..19310, 19186..19338, 19187..19306, 19399..19488, 19401..19487, 19578..19607, 19579..19608		

Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90081	Strand	-
Start	24024	End	30351
Name	OJ000350_01.0405.C15.o4.tm	Method	TBLASTX:Maize
Start	19186	End	20323
GI	none	Score	143
Exons	19186..19323, 19187..19357, 19188..19322, 19189..19323, 19381..19488, 19397..19495, 19399..19488, 19400..19495, 19511..19555, 19549..19746, 19564..19743, 19569..19769, 20008..20082, 20009..20083, 20009..20083, 20019..20087, 20083..20151, 20084..20149, 20084..20152, 20085..20159, 20234..20323, 20237..20317		

Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90081	Strand	-
Start	24024	End	30351
Name	OJ000350_01.0405.C15.o1.ts	Method	TBLASTX:Soybean
Start	20035	End	21590
GI	none	Score	177
Exons	20035..20151, 20036..20149, 20205..20483, 20232..20483, 20234..20485, 20281..20484, 20552..20668, 20565..20789, 20568..20795, 20864..21124, 20880..21125, 21332..21589, 21333..21590		

Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90081	Strand	-
Start	24024	End	30351
Name	OJ000350_01.0405.C15.o3.tc	Method	TBLASTX:Cress
Start	20087	End	20395
GI	none	Score	94
Exons	20087..20149, 20095..20151, 20234..20395, 20234..20350, 20281..20394		

Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90081	Strand	-
Start	24024	End	30351
Name	OJ000350_01.0405.C15.o1.tm	Method	TBLASTX:Maize
Start	20334	End	22746
GI	none	Score	94
Exons	20334..20483, 20347..20484, 20348..20485, 20552..20668, 20563..20784, 20565..20789, 20567..20785, 20861..21115, 20864..21124, 20880..21125, 21332..21943, 21333..22082, 22290..22499, 22290..22556, 22310..22561, 22375..22563, 22559..22621, 22561..22626, 22575..22622, 22675..22746, 22701..22736, 22702..22746		

Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15

Gene No.	90081	Strand	-
Start	24024	End	30351
Name	OJ000350_01.0405.C15.o4.tc	Method	TBLASTX:Cress
Start	20565	End	20906
GI	none	Score	137
Exons	20565..20789, 20567..20782, 20571..20795, 20880..20906		

Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90081	Strand	-
Start	24024	End	30351
Name	OJ000350_01.0405.C15.o1.tc	Method	TBLASTX:Cress
Start	21078	End	21703
GI	none	Score	70
Exons	21078..21125, 21298..21669, 21332..21703, 21333..21701		

Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90081	Strand	-
Start	24024	End	30351
Name	OJ000350_01.0405.C15.o2.ts	Method	TBLASTX:Soybean
Start	21591	End	22622
GI	none	Score	614
Exons	21591..22001, 21593..21943, 21699..21995, 22021..22080, 22290..22499, 22343..22465, 22559..22621, 22575..22622		

Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90081	Strand	-
Start	24024	End	30351
Name	OJ000350_01.0405.C15.o2.tc	Method	TBLASTX:Cress
Start	21773	End	22625
GI	none	Score	295
Exons	21773..21943, 21774..22001, 22302..22625, 22343..22459		

Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90081	Strand	-
Start	24024	End	30351
Name	OJ000350_01.0405.C15.o6.gs	Method	GENSCAN
Start	24024	End	29885
GI	none	Score	.75
Exons	24024..24095, 24310..24443, 24531..24780, 25022..25374, 25639..25936, 27021..27234, 27514..27575, 28223..28367, 28999..29150, 29439..29885		

Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90081	Strand	-
Start	24024	End	30351
Name	OJ000350_01.0405.C15.o8.tm	Method	TBLASTX:Maize
Start	24112	End	24589
GI	none	Score	97
Exons	24112..24276, 24173..24277, 24265..24444, 24278..24409, 24283..24444, 24527..24589, 24532..24588		

Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90081	Strand	-
Start	24024	End	30351
Name	OJ000350_01.0405.C15.o2.tm	Method	TBLASTX:Maize
Start	24590	End	25682
GI	none	Score	215

Exons	24590..24781, 24592..24780, 24593..24781, 25019..25657, 25019..25681, 25020..25682		
Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90081	Strand	-
Start	24024	End	30351
Name	OJ000350_01.0405.C15.o5.np	Method	AAT/NAP
Start	28416	End	30351
GI	4505323	Score	63
Exons	28416..28544, 29697..29951, 30330..30351		
GI Descrip.	Wiskott-Aldrich syndrome-like gi\|2116984\|dbj\|BAA20128\| (D88460) N-WASP [Homo sapiens]		
Seq. No.	43045	Seq. ID	OJ000350_01.0405.C15
Gene No.	90081	Strand	-
Start	24024	End	30351
Name	OJ000350_01.0405.C15.o11.tm	Method	TBLASTX:Maize
Start	29007	End	29675
GI	none	Score	165
Exons	29007..29180, 29014..29148, 29018..29167, 29430..29531, 29436..29579, 29506..29580, 29622..29675		
Seq. No.	43046	Seq. ID	OJ000350_01.0405.C16
Gene No.	90082	Strand	-
Start	7006	End	7500
Name	OJ000350_01.0405.C16.o1.np	Method	AAT/NAP
Start	7006	End	7500
GI	7484818	Score	299
Exons	7006..7500		
GI Descrip.	auxin-induced protein homolog F8F16.140 - Arabidopsis thaliana gi\|2827527\|emb\|CAA16535.1\| (AL021633) auxin induced like-protein [Arabidopsis thaliana] gi\|7270034\|emb\|CAB79850.1\| (AL161578) auxin induced like-protein [Arabidopsis thaliana]		
Seq. No.	43046	Seq. ID	OJ000350_01.0405.C16
Gene No.	90083	Strand	-
Start	8659	End	11631
Name	OJ000350_01.0405.C16.o2.gs	Method	GENSCAN
Start	8659	End	11631
GI	none	Score	.44
Exons	8659..8866, 10661..10742, 11314..11477, 11519..11631		
Seq. No.	43047	Seq. ID	OJ000350_01.0405.C17
Gene No.	90084	Strand	+
Start	3049	End	3988
Name	OJ000350_01.0405.C17.o1.np	Method	AAT/NAP
Start	3049	End	3988
GI	7363272	Score	152
Exons	3049..3116, 3863..3988		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		
Seq. No.	43047	Seq. ID	OJ000350_01.0405.C17
Gene No.	90085	Strand	-
Start	261	End	3642
Name	OJ000350_01.0405.C17.o1.gs	Method	GENSCAN
Start	261	End	3642
GI	none	Score	.41

Exons	261..305, 496..592, 701..831, 1563..1617, 2478..2514, 3574..3642		
Seq. No.	43048	Seq. ID	OJ000350_01.0405.C18
Gene No.	90086	Strand	+
Start	1	End	840
Name	OJ000350_01.0405.C18.o1.np	Method	AAT/NAP
Start	1	End	840
GI	5295955	Score	321
Exons	1..190, 268..840		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		
Seq. No.	43048	Seq. ID	OJ000350_01.0405.C18
Gene No.	90087	Strand	+
Start	3435	End	5745
Name	OJ000350_01.0405.C18.o2.gs	Method	GENSCAN
Start	3435	End	5661
GI	none	Score	.82
Exons	3435..3491, 5590..5661		
Seq. No.	43048	Seq. ID	OJ000350_01.0405.C18
Gene No.	90087	Strand	+
Start	3435	End	5745
Name	OJ000350_01.0405.C18.o2.np	Method	AAT/NAP
Start	3468	End	5745
GI	6630560	Score	173
Exons	3468..3491, 4521..4634, 5590..5745		
GI Descrip.	(AC011708) galactokinase-like protein [Arabidopsis thaliana]		
Seq. No.	43048	Seq. ID	OJ000350_01.0405.C18
Gene No.	90087	Strand	+
Start	3435	End	5745
Name	OJ000350_01.0405.C18.o1.gp	Method	AAT/GAP
Start	4261	End	5682
GI	none	Score	809
Exons	4261..4634, 5590..5682		
Seq. No.	43048	Seq. ID	OJ000350_01.0405.C18
Gene No.	90088	Strand	-
Start	40	End	2615
Name	OJ000350_01.0405.C18.o1.gs	Method	GENSCAN
Start	40	End	2615
GI	none	Score	.89
Exons	40..122, 127..329, 560..706, 2606..2615		
Seq. No.	43049	Seq. ID	OJ000350_01.0405.C19
Gene No.	90089	Strand	+
Start	1	End	6097
Name	OJ000350_01.0405.C19.o1.np	Method	AAT/NAP
Start	1	End	3251
GI	6630560	Score	685
Exons	1..55, 460..563, 640..705, 1051..1130, 1355..1474, 1794..1940, 2810..2925, 3007..3251		
GI Descrip.	(AC011708) galactokinase-like protein [Arabidopsis thaliana]		
Seq. No.	43049	Seq. ID	OJ000350_01.0405.C19
Gene No.	90089	Strand	+

Start	1	End	6097
Name	OJ000350_01.0405.C19.o2.tm	Method	TBLASTX:Maize
Start	135	End	731
GI	none	Score	67
Exons	135..191, 451..555, 453..566, 454..564, 546..599, 613..699, 615..731, 615..722		

Seq. No.	43049	Seq. ID	OJ000350_01.0405.C19
Gene No.	90089	Strand	+
Start	1	End	6097
Name	OJ000350_01.0405.C19.o1.gp	Method	AAT/GAP
Start	145	End	3659
GI	2073_1.R1084	Score	2659
Exons	145..190, 455..563, 640..705, 1051..1130, 1355..1454, 1750..1925, 2070..2110, 2191..2219, 2310..2379, 2836..2925, 3007..3659		
GI Descrip.	'120900/sp\|Q00052\|GAL1_LACHE 2.0e-26 GALACTOKINASE >gi_421585_pir__A47032 galactokinase galK - Lactobacillus helveticus >gi_44000_emb_CAA40525_ (X57248) galactokinase [Lactobacillus helveticus]'		

Seq. No.	43049	Seq. ID	OJ000350_01.0405.C19
Gene No.	90089	Strand	+
Start	1	End	6097
Name	OJ000350_01.0405.C19.o1.gs	Method	GENSCAN
Start	147	End	6097
GI	none	Score	.66
Exons	147..190, 420..563, 1051..1130, 1355..1454, 1750..1925, 2070..2110, 2191..2219, 2310..2379, 2836..2925, 3007..3182, 4467..4737, 5982..6097		

Seq. No.	43049	Seq. ID	OJ000350_01.0405.C19
Gene No.	90089	Strand	+
Start	1	End	6097
Name	OJ000350_01.0405.C19.o1.tm	Method	TBLASTX:Maize
Start	1037	End	3248
GI	none	Score	123
Exons	1037..1132, 1050..1133, 1051..1131, 1346..1453, 1359..1454, 1359..1454, 1363..1455, 1740..1922, 1748..1951, 1749..1922, 1750..1923, 2063..2128, 2069..2110, 2181..2219, 2307..2381, 2307..2378, 2309..2380, 2834..2929, 2835..2927, 2964..3248, 3005..3247		

Seq. No.	43049	Seq. ID	OJ000350_01.0405.C19
Gene No.	90089	Strand	+
Start	1	End	6097
Name	OJ000350_01.0405.C19.o1.ts	Method	TBLASTX:Soybean
Start	1821	End	3251
GI	none	Score	96
Exons	1821..1922, 1822..1923, 2312..2383, 2316..2381, 2834..2926, 2835..2927, 2964..3251, 3005..3247		

Seq. No.	43050	Seq. ID	OJ000350_01.0405.C20
Gene No.	90090	Strand	+
Start	1	End	2684
Name	OJ000350_01.0405.C20.o1.np	Method	AAT/NAP
Start	1	End	2684

GI	7488558	Score	1004
Exons	1..1388, 1792..2497, 2668..2684		
GI Descrip.	hypothetical protein 1 - wild cabbage transposon Melmoth gi\|2462935\|emb\|CAA72989.1\| (Y12321) open reading frame 1 [Brassica oleracea]		

Seq. No.	43050	Seq. ID	OJ000350_01.0405.C20
Gene No.	90091	Strand	-
Start	43	End	2658
Name	OJ000350_01.0405.C20.o4.tm	Method	TBLASTX:Maize
Start	42	End	273
GI	none	Score	167
Exons	42..272, 42..272, 43..273		

Seq. No.	43050	Seq. ID	OJ000350_01.0405.C20
Gene No.	90091	Strand	-
Start	43	End	2658
Name	OJ000350_01.0405.C20.o1.gs	Method	GENSCAN
Start	43	End	2658
GI	none	Score	.66
Exons	43..118, 1525..1656, 2121..2211, 2601..2658		

Seq. No.	43050	Seq. ID	OJ000350_01.0405.C20
Gene No.	90091	Strand	-
Start	43	End	2658
Name	OJ000350_01.0405.C20.o1.tm	Method	TBLASTX:Maize
Start	375	End	828
GI	none	Score	383
Exons	375..743, 385..744, 520..744, 743..814, 748..828, 748..828		

Seq. No.	43050	Seq. ID	OJ000350_01.0405.C20
Gene No.	90091	Strand	-
Start	43	End	2658
Name	OJ000350_01.0405.C20.o3.tc	Method	TBLASTX:Cress
Start	607	End	801
GI	none	Score	178
Exons	607..801, 610..798		

Seq. No.	43050	Seq. ID	OJ000350_01.0405.C20
Gene No.	90091	Strand	-
Start	43	End	2658
Name	OJ000350_01.0405.C20.o2.ts	Method	TBLASTX:Soybean
Start	619	End	1080
GI	none	Score	43
Exons	619..648, 679..765, 775..1080, 813..1079		

Seq. No.	43050	Seq. ID	OJ000350_01.0405.C20
Gene No.	90091	Strand	-
Start	43	End	2658
Name	OJ000350_01.0405.C20.o1.tw	Method	TBLASTX:Wheat
Start	688	End	1299
GI	none	Score	319
Exons	688..1122, 801..1094, 1138..1227, 1222..1299		

Seq. No.	43050	Seq. ID	OJ000350_01.0405.C20
Gene No.	90091	Strand	-
Start	43	End	2658

Name	OJ000350_01.0405.C20.o2.tm	Method	TBLASTX:Maize
Start	835	End	1410
GI	none	Score	323
Exons	835..1410, 858..1109		

Seq. No.	43050	Seq. ID	OJ000350_01.0405.C20
Gene No.	90091	Strand	-
Start	43	End	2658
Name	OJ000350_01.0405.C20.o2.tc	Method	TBLASTX:Cress
Start	916	End	1359
GI	none	Score	213
Exons	916..1164, 918..1205, 1186..1359		

Seq. No.	43050	Seq. ID	OJ000350_01.0405.C20
Gene No.	90091	Strand	-
Start	43	End	2658
Name	OJ000350_01.0405.C20.o3.ts	Method	TBLASTX:Soybean
Start	1225	End	1380
GI	none	Score	184
Exons	1225..1380, 1233..1364		

Seq. No.	43050	Seq. ID	OJ000350_01.0405.C20
Gene No.	90091	Strand	-
Start	43	End	2658
Name	OJ000350_01.0405.C20.o1.ts	Method	TBLASTX:Soybean
Start	2043	End	2444
GI	5509260	Score	324
Exons	2043..2195, 2051..2308, 2052..2444, 2375..2440		
GI Descrip.	-		

Seq. No.	43050	Seq. ID	OJ000350_01.0405.C20
Gene No.	90091	Strand	-
Start	43	End	2658
Name	OJ000350_01.0405.C20.o2.tw	Method	TBLASTX:Wheat
Start	2070	End	2503
GI	none	Score	70
Exons	2070..2159, 2085..2159, 2161..2301, 2202..2501, 2204..2308, 2367..2501, 2375..2503		

Seq. No.	43050	Seq. ID	OJ000350_01.0405.C20
Gene No.	90091	Strand	-
Start	43	End	2658
Name	OJ000350_01.0405.C20.o3.tm	Method	TBLASTX:Maize
Start	2075	End	2396
GI	none	Score	315
Exons	2075..2395, 2076..2396		

Seq. No.	43050	Seq. ID	OJ000350_01.0405.C20
Gene No.	90091	Strand	-
Start	43	End	2658
Name	OJ000350_01.0405.C20.o1.tc	Method	TBLASTX:Cress
Start	2159	End	2435
GI	none	Score	295
Exons	2159..2434, 2160..2435		

Seq. No.	43051	Seq. ID	OJ000350_01.0405.C21
Gene No.	90092	Strand	+

Start	137	End	2034
Name	OJ000350_01.0405.C21.o1.np	Method	AAT/NAP
Start	137	End	2034
GI	421955	Score	942
Exons	137..253, 978..2034		
GI Descrip.	hypothetical protein 4 - potato transposon Tst1 gi\|21434\|emb\|CAA36616\| (X52387) ORF4 [Solanum tuberosum]		

Seq. No.	43051	Seq. ID	OJ000350_01.0405.C21
Gene No.	90093	Strand	+
Start	5716	End	5859
Name	OJ000350_01.0405.C21.o2.gp	Method	AAT/GAP
Start	5716	End	5859
GI	21474_1.R1084	Score	228
Exons	5716..5859		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	43051	Seq. ID	OJ000350_01.0405.C21
Gene No.	90094	Strand	-
Start	1	End	113
Name	OJ000350_01.0405.C21.o1.gp	Method	AAT/GAP
Start	1	End	113
GI	LIB3431-027-P1-K1-D5	Score	199
Exons	1..113		
GI Descrip.	'2190552 1.0e-21 (AC001229) Similar to Holcus major pollen allergen (gb_Z27084). [Arabidopsis thaliana]'		

Seq. No.	43051	Seq. ID	OJ000350_01.0405.C21
Gene No.	90095	Strand	-
Start	3161	End	10576
Name	OJ000350_01.0405.C21.o2.gs	Method	GENSCAN
Start	3161	End	10576
GI	none	Score	.53
Exons	3161..3281, 4256..4329, 5135..5254, 5454..5520, 6458..6568, 6663..6836, 6944..7629, 7631..7773, 7899..8040, 8136..8255, 8376..8498, 8897..9270, 9325..9556, 10451..10576		

Seq. No.	43051	Seq. ID	OJ000350_01.0405.C21
Gene No.	90095	Strand	-
Start	3161	End	10576
Name	OJ000350_01.0405.C21.o2.np	Method	AAT/NAP
Start	6243	End	9571
GI	4680204	Score	959
Exons	6243..6568, 6663..6836, 6944..8040, 8136..9571		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	43051	Seq. ID	OJ000350_01.0405.C21
Gene No.	90095	Strand	-
Start	3161	End	10576
Name	OJ000350_01.0405.C21.o3.np	Method	AAT/NAP
Start	6433	End	9571
GI	4680204	Score	960
Exons	6433..6568, 6663..6836, 6944..8040, 8136..9571		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	43051	Seq. ID	OJ000350_01.0405.C21

Gene No.	90096	Strand	-
Start	10703	End	15438
Name	OJ000350_01.0405.C21.o4.tm	Method	TBLASTX:Maize
Start	982	End	1278
GI	none	Score	189
Exons	982..1278		

Seq. No.	43051	Seq. ID	OJ000350_01.0405.C21
Gene No.	90096	Strand	-
Start	10703	End	15438
Name	OJ000350_01.0405.C21.o4.ts	Method	TBLASTX:Soybean
Start	1198	End	1386
GI	none	Score	184
Exons	1198..1386, 1200..1343		

Seq. No.	43051	Seq. ID	OJ000350_01.0405.C21
Gene No.	90096	Strand	-
Start	10703	End	15438
Name	OJ000350_01.0405.C21.o4.tw	Method	TBLASTX:Wheat
Start	1206	End	1617
GI	none	Score	137
Exons	1206..1373, 1207..1374, 1380..1556, 1384..1617		

Seq. No.	43051	Seq. ID	OJ000350_01.0405.C21
Gene No.	90096	Strand	-
Start	10703	End	15438
Name	OJ000350_01.0405.C21.o1.tm	Method	TBLASTX:Maize
Start	1387	End	2049
GI	none	Score	323
Exons	1387..1779, 1410..1598, 1641..1742, 1815..1991, 1819..2049		

Seq. No.	43051	Seq. ID	OJ000350_01.0405.C21
Gene No.	90096	Strand	-
Start	10703	End	15438
Name	OJ000350_01.0405.C21.o2.tc	Method	TBLASTX:Cress
Start	1396	End	2051
GI	none	Score	108
Exons	1396..1566, 1576..1668, 1668..1793, 1669..1794, 1825..2046, 1833..2051		

Seq. No.	43051	Seq. ID	OJ000350_01.0405.C21
Gene No.	90096	Strand	-
Start	10703	End	15438
Name	OJ000350_01.0405.C21.o1.ts	Method	TBLASTX:Soybean
Start	1405	End	2100
GI	none	Score	644
Exons	1405..2079, 1405..1896, 1407..1925, 2014..2100		

Seq. No.	43051	Seq. ID	OJ000350_01.0405.C21
Gene No.	90096	Strand	-
Start	10703	End	15438
Name	OJ000350_01.0405.C21.o6.tw	Method	TBLASTX:Wheat
Start	8490	End	8823
GI	none	Score	36
Exons	8490..8510, 8520..8657, 8521..8601, 8661..8822, 8725..8823		

Seq. No.	43051	Seq. ID	OJ000350_01.0405.C21

Gene No.	90096	Strand	-
Start	10703	End	15438
Name	OJ000350_01.0405.C21.o3.gs	Method	GENSCAN
Start	10703	End	15438
GI	none	Score	.5
Exons	10703..10958, 11054..11153, 12189..13703, 13835..13996, 14057..14290, 15078..15438		

Seq. No.	43051	Seq. ID	OJ000350_01.0405.C21
Gene No.	90096	Strand	-
Start	10703	End	15438
Name	OJ000350_01.0405.C21.o5.gp	Method	AAT/GAP
Start	11347	End	15434
GI	342_1.R1084	Score	6751
Exons	11347..11906, 11985..12004, 12040..15434		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	43051	Seq. ID	OJ000350_01.0405.C21
Gene No.	90096	Strand	-
Start	10703	End	15438
Name	OJ000350_01.0405.C21.o4.gp	Method	AAT/GAP
Start	11350	End	15434
GI	342_1.R1084	Score	6745
Exons	11350..11906, 11985..12004, 12040..15434		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	43051	Seq. ID	OJ000350_01.0405.C21
Gene No.	90096	Strand	-
Start	10703	End	15438
Name	OJ000350_01.0405.C21.o3.gp	Method	AAT/GAP
Start	11358	End	15434
GI	342_1.R1084	Score	6733
Exons	11358..11906, 11985..12004, 12040..15434		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	43051	Seq. ID	OJ000350_01.0405.C21
Gene No.	90096	Strand	-
Start	10703	End	15438
Name	OJ000350_01.0405.C21.o4.np	Method	AAT/NAP
Start	12133	End	15438
GI	4680203	Score	3237
Exons	12133..13110, 13384..13614, 13767..15438		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	43051	Seq. ID	OJ000350_01.0405.C21
Gene No.	90096	Strand	-
Start	10703	End	15438
Name	OJ000350_01.0405.C21.o1.tw	Method	TBLASTX:Wheat
Start	12187	End	13501
GI	none	Score	125
Exons	12187..12279, 12268..12348, 12361..12501, 12362..12502, 12449..12544, 12481..12540, 12547..12588, 12547..12591, 12552..12593, 12586..13305, 12601..12918, 12875..13297, 13059..13313, 13232..13501, 13315..13500		

Seq. No.	43051	Seq. ID	OJ000350_01.0405.C21
Gene No.	90096	Strand	-
Start	10703	End	15438
Name	OJ000350_01.0405.C21.o1.tc	Method	TBLASTX:Cress
Start	12769	End	13220
GI	none	Score	88
Exons	12769..12918, 12769..13212, 12794..13216, 12875..13216, 13065..13220		

Seq. No.	43051	Seq. ID	OJ000350_01.0405.C21
Gene No.	90096	Strand	-
Start	10703	End	15438
Name	OJ000350_01.0405.C21.o3.tm	Method	TBLASTX:Maize
Start	13147	End	13458
GI	none	Score	75
Exons	13147..13308, 13175..13258, 13306..13458, 13307..13447		

Seq. No.	43051	Seq. ID	OJ000350_01.0405.C21
Gene No.	90096	Strand	-
Start	10703	End	15438
Name	OJ000350_01.0405.C21.o3.tw	Method	TBLASTX:Wheat
Start	13502	End	13911
GI	none	Score	81
Exons	13502..13588, 13504..13593, 13504..13587, 13621..13701, 13621..13707, 13667..13708, 13703..13822, 13706..13831, 13707..13862, 13708..13836, 13848..13910, 13861..13911		

Seq. No.	43051	Seq. ID	OJ000350_01.0405.C21
Gene No.	90096	Strand	-
Start	10703	End	15438
Name	OJ000350_01.0405.C21.o3.ts	Method	TBLASTX:Soybean
Start	13944	End	14186
GI	none	Score	215
Exons	13944..14186		

Seq. No.	43051	Seq. ID	OJ000350_01.0405.C21
Gene No.	90096	Strand	-
Start	10703	End	15438
Name	OJ000350_01.0405.C21.o2.tm	Method	TBLASTX:Maize
Start	14016	End	14473
GI	none	Score	42
Exons	14016..14210, 14220..14345, 14235..14339, 14339..14461, 14345..14473		

Seq. No.	43051	Seq. ID	OJ000350_01.0405.C21
Gene No.	90096	Strand	-
Start	10703	End	15438
Name	OJ000350_01.0405.C21.o2.tw	Method	TBLASTX:Wheat
Start	14050	End	14518
GI	none	Score	153
Exons	14050..14256, 14050..14154, 14055..14279, 14259..14339, 14259..14345, 14360..14464, 14364..14453, 14465..14518, 14466..14510		

Seq. No.	43051	Seq. ID	OJ000350_01.0405.C21
Gene No.	90096	Strand	-

Start	10703	End	15438
Name	OJ000350_01.0405.C21.o3.tc	Method	TBLASTX:Cress
Start	14339	End	14654
GI	none	Score	74
Exons	14339..14647, 14367..14462, 14502..14654		

Seq. No.	43051	Seq. ID	OJ000350_01.0405.C21
Gene No.	90096	Strand	-
Start	10703	End	15438
Name	OJ000350_01.0405.C21.o2.ts	Method	TBLASTX:Soybean
Start	14387	End	14816
GI	none	Score	118
Exons	14387..14683, 14405..14629, 14733..14816, 14741..14815		

Seq. No.	43051	Seq. ID	OJ000350_01.0405.C21
Gene No.	90096	Strand	-
Start	10703	End	15438
Name	OJ000350_01.0405.C21.o5.tw	Method	TBLASTX:Wheat
Start	14734	End	15132
GI	none	Score	94
Exons	14734..14871, 14745..14873, 14747..14902, 14748..14870, 14839..14997, 14840..14989, 14980..15132, 14994..15113		

Seq. No.	43052	Seq. ID	OJ000350_01.0405.C22
Gene No.	90097	Strand	+
Start	2738	End	11939
Name	OJ000350_01.0405.C22.o1.np	Method	AAT/NAP
Start	2716	End	7132
GI	7488030	Score	809
Exons	2716..3103, 3191..3820, 6611..6755, 6921..7132		
GI Descrip.	potassium transport protein homolog T9A4.5 - Arabidopsis thaliana gi\|3695407\|gb\|AAC62807.1\| (AF096373) similar to potassium transport proteins [Arabidopsis thaliana]		

Seq. No.	43052	Seq. ID	OJ000350_01.0405.C22
Gene No.	90097	Strand	+
Start	2738	End	11939
Name	OJ000350_01.0405.C22.o2.gs	Method	GENSCAN
Start	2738	End	3823
GI	none	Score	.86
Exons	2738..3823		

Seq. No.	43052	Seq. ID	OJ000350_01.0405.C22
Gene No.	90097	Strand	+
Start	2738	End	11939
Name	OJ000350_01.0405.C22.o3.gs	Method	GENSCAN
Start	4971	End	11939
GI	none	Score	.44
Exons	4971..5046, 5575..5667, 6070..6154, 6517..6787, 7231..7301, 8753..9377, 9441..9562, 10356..10580, 10791..10902, 11104..11254, 11526..11705, 11806..11939		

Seq. No.	43052	Seq. ID	OJ000350_01.0405.C22
Gene No.	90097	Strand	+
Start	2738	End	11939
Name	OJ000350_01.0405.C22.o2.np	Method	AAT/NAP
Start	8702	End	11006

GI	7488030	Score	717
Exons	8702..9035, 9126..9809, 10453..10583, 10778..11006		
GI Descrip.	potassium transport protein homolog T9A4.5 - Arabidopsis thaliana gi\|3695407\|gb\|AAC62807.1\| (AF096373) similar to potassium transport proteins [Arabidopsis thaliana]		

Seq. No.	43053	Seq. ID	OJ000350_01.0405.C23
Gene No.	90098	Strand	+
Start	2748	End	3041
Name	OJ000350_01.0405.C23.o1.np	Method	AAT/NAP
Start	2748	End	3041
GI	7488030	Score	200
Exons	2748..3041		
GI Descrip.	potassium transport protein homolog T9A4.5 - Arabidopsis thaliana gi\|3695407\|gb\|AAC62807.1\| (AF096373) similar to potassium transport proteins [Arabidopsis thaliana]		

Seq. No.	43053	Seq. ID	OJ000350_01.0405.C23
Gene No.	90099	Strand	-
Start	39	End	2953
Name	OJ000350_01.0405.C23.o1.gs	Method	GENSCAN
Start	39	End	2953
GI	none	Score	.61
Exons	39..124, 1960..2003, 2074..2200, 2942..2953		

Seq. No.	43054	Seq. ID	OJ000350_01.0405.C24
Gene No.	90100	Strand	+
Start	1	End	1641
Name	OJ000350_01.0405.C24.o1.np	Method	AAT/NAP
Start	1	End	1641
GI	7488030	Score	702
Exons	1..591, 1086..1218, 1420..1641		
GI Descrip.	potassium transport protein homolog T9A4.5 - Arabidopsis thaliana gi\|3695407\|gb\|AAC62807.1\| (AF096373) similar to potassium transport proteins [Arabidopsis thaliana]		

Seq. No.	43054	Seq. ID	OJ000350_01.0405.C24
Gene No.	90101	Strand	-
Start	2154	End	2283
Name	OJ000350_01.0405.C24.o1.gp	Method	AAT/GAP
Start	2154	End	2283
GI	2073_1.R1084	Score	217
Exons	2154..2283		
GI Descrip.	'120900/sp\|Q00052\|GAL1_LACHE 2.0e-26 GALACTOKINASE >gi_421585_pir__A47032 galactokinase galK - Lactobacillus helveticus >gi_44000_emb_CAA40525_ (X57248) galactokinase [Lactobacillus helveticus]'		

Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90102	Strand	+
Start	1	End	1247
Name	OJ000350_01.0405.C26.o1.gp	Method	AAT/GAP
Start	1	End	311
GI	286743	Score	609
Exons	1..311		
GI Descrip.	4204265 2.0e-22 (AC005223) 45643 [Arabidopsis thaliana]		

Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90102	Strand	+
Start	1	End	1247
Name	OJ000350_01.0405.C26.o1.np	Method	AAT/NAP
Start	1	End	1175
GI	7025862	Score	740
Exons	1..331, 498..710, 858..1175		
GI Descrip.	(AC024128) unknown protein [Arabidopsis thaliana]		

Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90102	Strand	+
Start	1	End	1247
Name	OJ000350_01.0405.C26.o1.gs	Method	GENSCAN
Start	23	End	1247
GI	none	Score	1
Exons	23..331, 498..710, 858..1247		

Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90103	Strand	+
Start	10745	End	10917
Name	OJ000350_01.0405.C26.o3.gp	Method	AAT/GAP
Start	10745	End	10917
GI	LIB3433-026-P1-K1-C1	Score	237
Exons	10745..10917		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90104	Strand	+
Start	12530	End	17010
Name	OJ000350_01.0405.C26.o3.np	Method	AAT/NAP
Start	12530	End	17010
GI	4680179	Score	5619
Exons	12530..17010		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90105	Strand	-
Start	1139	End	1603
Name	OJ000350_01.0405.C26.o2.gp	Method	AAT/GAP
Start	1139	End	1603
GI	none	Score	915
Exons	1139..1603		

Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90106	Strand	-
Start	2207	End	5299
Name	OJ000350_01.0405.C26.o4.tc	Method	TBLASTX:Cress
Start	2	End	1010
GI	none	Score	54
Exons	2..79, 107..313, 133..333, 169..333, 201..365, 912..1010		

Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90106	Strand	-
Start	2207	End	5299
Name	OJ000350_01.0405.C26.o3.ts	Method	TBLASTX:Soybean
Start	4	End	965

GI	none	Score	255
Exons	4..51, 74..313, 127..342, 147..350, 501..716, 501..713, 515..715, 855..965		
Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90106	Strand	-
Start	2207	End	5299
Name	OJ000350_01.0405.C26.o5.tm	Method	TBLASTX:Maize
Start	4	End	1010
GI	none	Score	105
Exons	4..60, 8..97, 74..331, 77..313, 78..332, 94..333, 133..333, 479..715, 498..716, 829..966, 841..960, 855..1010, 855..962		
Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90106	Strand	-
Start	2207	End	5299
Name	OJ000350_01.0405.C26.o6.tw	Method	TBLASTX:Wheat
Start	485	End	992
GI	none	Score	153
Exons	485..709, 494..709, 498..713, 498..710, 858..992		
Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90106	Strand	-
Start	2207	End	5299
Name	OJ000350_01.0405.C26.o2.tc	Method	TBLASTX:Cress
Start	494	End	903
GI	none	Score	127
Exons	494..688, 497..718, 498..743, 832..903		
Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90106	Strand	-
Start	2207	End	5299
Name	OJ000350_01.0405.C26.o1.tm	Method	TBLASTX:Maize
Start	2199	End	5233
GI	none	Score	450
Exons	2199..2543, 2201..2542, 4355..4717, 4370..5035, 4371..4889, 4465..5028, 5082..5222, 5084..5233, 5126..5221, 5128..5232		
Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90106	Strand	-
Start	2207	End	5299
Name	OJ000350_01.0405.C26.o1.tc	Method	TBLASTX:Cress
Start	2204	End	4753
GI	none	Score	168
Exons	2204..2491, 2207..2479, 2208..2495, 2507..2542, 4370..4669, 4371..4673, 4670..4753, 4674..4748		
Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90106	Strand	-
Start	2207	End	5299
Name	OJ000350_01.0405.C26.o5.ts	Method	TBLASTX:Soybean
Start	2204	End	2365
GI	none	Score	160
Exons	2204..2365, 2205..2360, 2206..2361		
Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90106	Strand	-

Start	2207	End	5299
Name	OJ000350_01.0405.C26.o2.np	Method	AAT/NAP
Start	2207	End	5299
GI	4337195	Score	1493
Exons	2207..2543, 4371..5299		
GI Descrip.	(AC006403) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90106	Strand	-
Start	2207	End	5299
Name	OJ000350_01.0405.C26.o10.tw	Method	TBLASTX:Wheat
Start	2243	End	4651
GI	none	Score	102
Exons	2243..2542, 2244..2417, 2285..2539, 4370..4414, 4412..4651		

Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90106	Strand	-
Start	2207	End	5299
Name	OJ000350_01.0405.C26.o1.ts	Method	TBLASTX:Soybean
Start	2366	End	5203
GI	none	Score	163
Exons	2366..2539, 2373..2543, 2378..2542, 4355..4705, 4366..4872, 4370..5140, 4371..5141, 4638..4748, 4640..4702, 5126..5203, 5127..5192		

Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90106	Strand	-
Start	2207	End	5299
Name	OJ000350_01.0405.C26.o3.tc	Method	TBLASTX:Cress
Start	4760	End	5129
GI	none	Score	168
Exons	4760..5065, 4778..5020, 5079..5129		

Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90106	Strand	-
Start	2207	End	5299
Name	OJ000350_01.0405.C26.o12.tw	Method	TBLASTX:Wheat
Start	4916	End	5219
GI	none	Score	183
Exons	4916..4975, 4964..5218, 4964..5218, 5007..5219		

Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90107	Strand	
Start	12752	End	12950
Name	OJ000350_01.0405.C26.o11.tw	Method	TBLASTX:Wheat
Start	12752	End	12950
GI	none	Score	215
Exons	12752..12949, 12753..12950		

Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90108	Strand	
Start	13001	End	13352
Name	OJ000350_01.0405.C26.o7.tw	Method	TBLASTX:Wheat
Start	13001	End	13352
GI	none	Score	307
Exons	13001..13174, 13002..13352, 13150..13218		

Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90108	Strand	
Start	13001	End	13352
Name	OJ000350_01.0405.C26.o8.tm	Method	TBLASTX:Maize
Start	13002	End	13307
GI	none	Score	246
Exons	13002..13307		

Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90109	Strand	
Start	13686	End	14039
Name	OJ000350_01.0405.C26.o9.tw	Method	TBLASTX:Wheat
Start	13686	End	14039
GI	none	Score	257
Exons	13686..14039		

Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90110	Strand	
Start	14171	End	14684
Name	OJ000350_01.0405.C26.o4.tw	Method	TBLASTX:Wheat
Start	14171	End	14655
GI	none	Score	531
Exons	14171..14611, 14172..14654, 14175..14651, 14281..14655		

Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90110	Strand	
Start	14171	End	14684
Name	OJ000350_01.0405.C26.o7.ts	Method	TBLASTX:Soybean
Start	14208	End	14522
GI	none	Score	198
Exons	14208..14522		

Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90110	Strand	
Start	14171	End	14684
Name	OJ000350_01.0405.C26.o6.tm	Method	TBLASTX:Maize
Start	14237	End	14684
GI	none	Score	369
Exons	14237..14674, 14241..14684		

Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90111	Strand	
Start	14595	End	15071
Name	OJ000350_01.0405.C26.o2.ts	Method	TBLASTX:Soybean
Start	14595	End	14990
GI	none	Score	57
Exons	14595..14627, 14595..14627, 14631..14684, 14633..14674, 14739..14990, 14747..14980		

Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90111	Strand	
Start	14595	End	15071
Name	OJ000350_01.0405.C26.o7.tm	Method	TBLASTX:Maize
Start	14739	End	15071
GI	none	Score	306
Exons	14739..15071, 14792..15070		

Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90111	Strand	
Start	14595	End	15071
Name	OJ000350_01.0405.C26.o5.tw	Method	TBLASTX:Wheat
Start	14742	End	15005
GI	none	Score	369
Exons	14742..15005, 14744..15004		

Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90112	Strand	
Start	15006	End	15431
Name	OJ000350_01.0405.C26.o3.tw	Method	TBLASTX:Wheat
Start	15006	End	15431
GI	none	Score	584
Exons	15006..15431, 15008..15424		

Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90112	Strand	
Start	15006	End	15431
Name	OJ000350_01.0405.C26.o6.ts	Method	TBLASTX:Soybean
Start	15012	End	15260
GI	none	Score	208
Exons	15012..15260		

Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90112	Strand	
Start	15006	End	15431
Name	OJ000350_01.0405.C26.o3.tm	Method	TBLASTX:Maize
Start	15078	End	15431
GI	none	Score	448
Exons	15078..15431, 15083..15424		

Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90113	Strand	
Start	15459	End	16965
Name	OJ000350_01.0405.C26.o2.tw	Method	TBLASTX:Wheat
Start	15459	End	15999
GI	none	Score	619
Exons	15459..15998, 15641..15994, 15733..15999		

Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90113	Strand	
Start	15459	End	16965
Name	OJ000350_01.0405.C26.o5.tc	Method	TBLASTX:Cress
Start	15696	End	16022
GI	none	Score	89
Exons	15696..15878, 15879..16022, 15881..16021		

Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90113	Strand	
Start	15459	End	16965
Name	OJ000350_01.0405.C26.o4.ts	Method	TBLASTX:Soybean
Start	15786	End	16046
GI	none	Score	301
Exons	15786..16046, 15797..16045		

Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26

Gene No.	90113	Strand	
Start	15459	End	16965
Name	OJ000350_01.0405.C26.o4.tm	Method	TBLASTX:Maize
Start	15845	End	16136
GI	none	Score	411
Exons	15845..16132, 15846..16136		

Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90113	Strand	
Start	15459	End	16965
Name	OJ000350_01.0405.C26.o1.tw	Method	TBLASTX:Wheat
Start	16005	End	16631
GI	none	Score	715
Exons	16005..16631, 16008..16352, 16064..16510, 16571..16630		

Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90113	Strand	
Start	15459	End	16965
Name	OJ000350_01.0405.C26.o2.tm	Method	TBLASTX:Maize
Start	16184	End	16754
GI	none	Score	229
Exons	16184..16339, 16185..16346, 16199..16348, 16343..16507, 16344..16754, 16571..16741		

Seq. No.	43055	Seq. ID	OJ000350_01.0405.C26
Gene No.	90113	Strand	
Start	15459	End	16965
Name	OJ000350_01.0405.C26.o8.tw	Method	TBLASTX:Wheat
Start	16631	End	16965
GI	none	Score	164
Exons	16631..16747, 16632..16763, 16750..16965		

Seq. No.	43056	Seq. ID	OJ000350_01.0405.C27
Gene No.	90114	Strand	+
Start	1187	End	11385
Name	OJ000350_01.0405.C27.o1.np	Method	AAT/NAP
Start	1187	End	11385
GI	6561960	Score	513
Exons	1187..1517, 2115..2215, 2243..2598, 2674..3151, 3590..4084, 11342..11385		
GI Descrip.	(AL132964) putative protein [Arabidopsis thaliana]		

Seq. No.	43056	Seq. ID	OJ000350_01.0405.C27
Gene No.	90114	Strand	+
Start	1187	End	11385
Name	OJ000350_01.0405.C27.o2.gs	Method	GENSCAN
Start	1187	End	4090
GI	none	Score	.42
Exons	1187..1572, 2134..4090		

Seq. No.	43056	Seq. ID	OJ000350_01.0405.C27
Gene No.	90115	Strand	-
Start	16	End	398
Name	OJ000350_01.0405.C27.o1.gs	Method	GENSCAN
Start	16	End	398
GI	none	Score	.42
Exons	16..398		

Seq. No.	43056	Seq. ID	OJ000350_01.0405.C27
Gene No.	90116	Strand	-
Start	10743	End	11393
Name	OJ000350_01.0405.C27.o2.tm	Method	TBLASTX:Maize
Start	1186	End	1576
GI	none	Score	134
Exons	1186..1260, 1187..1267, 1187..1267, 1349..1432, 1556..1576		

Seq. No.	43056	Seq. ID	OJ000350_01.0405.C27
Gene No.	90116	Strand	-
Start	10743	End	11393
Name	OJ000350_01.0405.C27.o2.np	Method	AAT/NAP
Start	10743	End	11393
GI	7025861	Score	419
Exons	10743..10991, 11139..11393		
GI Descrip.	(AC024128) putative transporter [Arabidopsis thaliana]		

Seq. No.	43056	Seq. ID	OJ000350_01.0405.C27
Gene No.	90116	Strand	-
Start	10743	End	11393
Name	OJ000350_01.0405.C27.o1.tm	Method	TBLASTX:Maize
Start	10750	End	11361
GI	none	Score	357
Exons	10750..10992, 10755..10994, 10755..10994, 11136..11258, 11140..11259, 11140..11259, 11233..11343, 11243..11344, 11265..11345, 11266..11361		

Seq. No.	43057	Seq. ID	OJ000350_01.0405.C28
Gene No.	90117	Strand	+
Start	1	End	261
Name	OJ000350_01.0405.C28.o1.np	Method	AAT/NAP
Start	1	End	205
GI	6561960	Score	101
Exons	1..205		
GI Descrip.	(AL132964) putative protein [Arabidopsis thaliana]		

Seq. No.	43057	Seq. ID	OJ000350_01.0405.C28
Gene No.	90117	Strand	+
Start	1	End	261
Name	OJ000350_01.0405.C28.o1.gs	Method	GENSCAN
Start	67	End	261
GI	none	Score	.82
Exons	67..261		

Seq. No.	43058	Seq. ID	OJ000450_09.0412.C1
Gene No.	90118	Strand	+
Start	1	End	3426
Name	OJ000450_09.0412.C1.o1.np	Method	AAT/NAP
Start	1	End	3426
GI	6069646	Score	609
Exons	1..230, 1800..2154, 2437..3426		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	43058	Seq. ID	OJ000450_09.0412.C1
Gene No.	90118	Strand	+
Start	1	End	3426
Name	OJ000450_09.0412.C1.o1.gs	Method	GENSCAN
Start	344	End	3332
GI	none	Score	.52
Exons	344..494, 1071..1249, 1863..3332		

Seq. No.	43058	Seq. ID	OJ000450_09.0412.C1
Gene No.	90119	Strand	-
Start	2004	End	10271
Name	OJ000450_09.0412.C1.o1.tm	Method	TBLASTX:Maize
Start	1800	End	2369
GI	none	Score	373
Exons	1800..2369, 1916..2056, 2099..2302		

Seq. No.	43058	Seq. ID	OJ000450_09.0412.C1
Gene No.	90119	Strand	-
Start	2004	End	10271
Name	OJ000450_09.0412.C1.o2.ts	Method	TBLASTX:Soybean
Start	1989	End	2528
GI	none	Score	161
Exons	1989..2339, 2346..2369, 2400..2528		

Seq. No.	43058	Seq. ID	OJ000450_09.0412.C1
Gene No.	90119	Strand	-
Start	2004	End	10271
Name	OJ000450_09.0412.C1.o2.np	Method	AAT/NAP
Start	2004	End	10271
GI	3915635	Score	323
Exons	2004..2094, 4251..4379, 4530..4672, 5742..5943, 6027..6125, 7490..7597, 10176..10271		
GI Descrip.	CYCLIN DELTA-1 gi\|2995130\|emb\|CAA58285\| (X83369) cyclin delta-1 [Arabidopsis thaliana]		

Seq. No.	43058	Seq. ID	OJ000450_09.0412.C1
Gene No.	90119	Strand	-
Start	2004	End	10271
Name	OJ000450_09.0412.C1.o1.tw	Method	TBLASTX:Wheat
Start	2010	End	2450
GI	none	Score	256
Exons	2010..2312, 2012..2302, 2292..2450, 2357..2446		

Seq. No.	43058	Seq. ID	OJ000450_09.0412.C1
Gene No.	90119	Strand	-
Start	2004	End	10271
Name	OJ000450_09.0412.C1.o3.tm	Method	TBLASTX:Maize
Start	2381	End	2606
GI	none	Score	236
Exons	2381..2605, 2382..2606		

Seq. No.	43058	Seq. ID	OJ000450_09.0412.C1
Gene No.	90119	Strand	-
Start	2004	End	10271
Name	OJ000450_09.0412.C1.o2.tm	Method	TBLASTX:Maize
Start	2939	End	3218

GI	none	Score	319
Exons	2939..3136, 2943..3218		
Seq. No.	43058	Seq. ID	OJ000450_09.0412.C1
Gene No.	90119	Strand	-
Start	2004	End	10271
Name	OJ000450_09.0412.C1.o2.tw	Method	TBLASTX:Wheat
Start	2952	End	3299
GI	none	Score	171
Exons	2952..3140, 3252..3299		
Seq. No.	43058	Seq. ID	OJ000450_09.0412.C1
Gene No.	90119	Strand	-
Start	2004	End	10271
Name	OJ000450_09.0412.C1.o2.gs	Method	GENSCAN
Start	4218	End	8075
GI	none	Score	.62
Exons	4218..4379, 4530..4700, 5815..5943, 7490..7576, 7674..8075		
Seq. No.	43058	Seq. ID	OJ000450_09.0412.C1
Gene No.	90119	Strand	-
Start	2004	End	10271
Name	OJ000450_09.0412.C1.o4.tm	Method	TBLASTX:Maize
Start	4530	End	5929
GI	none	Score	80
Exons	4530..4550, 4582..4671, 4582..4668, 4589..4675, 4599..4676, 4622..4669, 5710..5922, 5743..5922, 5747..5929		
Seq. No.	43058	Seq. ID	OJ000450_09.0412.C1
Gene No.	90119	Strand	-
Start	2004	End	10271
Name	OJ000450_09.0412.C1.o1.tc	Method	TBLASTX:Cress
Start	5746	End	7591
GI	none	Score	108
Exons	5746..5946, 5798..5941, 6015..6116, 6025..6117, 7490..7591		
Seq. No.	43058	Seq. ID	OJ000450_09.0412.C1
Gene No.	90119	Strand	-
Start	2004	End	10271
Name	OJ000450_09.0412.C1.o1.ts	Method	TBLASTX:Soybean
Start	5746	End	7698
GI	none	Score	129
Exons	5746..5946, 5771..5944, 6024..6113, 6024..6125, 6028..6117, 7445..7507, 7478..7564, 7490..7591, 7663..7698, 7671..7697		
Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90120	Strand	+
Start	231	End	1856
Name	OJ000450_09.0412.C2.o1.gs	Method	GENSCAN
Start	231	End	1856
GI	none	Score	.6
Exons	231..257, 1086..1259, 1410..1856		
Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90121	Strand	+
Start	5946	End	7203
Name	OJ000450_09.0412.C2.o1.gp	Method	AAT/GAP

Start	5762	End	6249
GI	uC-osf1cyp174b05b1	Score	976
Exons	5762..6249		
GI Descrip.	'2131358/pir\|\|S67760 2.0e-11 hypothetical protein YDL201w - yeast (Saccharomyces cerevisiae) >gi_1429356_emb_CAA67468_ (X99000) ORF D1075 [Saccharomyces cerevisiae] >gi_1431332_emb_CAA98779_ (Z74249) ORF YDL201w [Saccharomyces cerevisiae]'		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90121	Strand	+
Start	5946	End	7203
Name	OJ000450_09.0412.C2.o2.gs	Method	GENSCAN
Start	5946	End	7171
GI	none	Score	.85
Exons	5946..6314, 6713..7171		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90121	Strand	+
Start	5946	End	7203
Name	OJ000450_09.0412.C2.o1.np	Method	AAT/NAP
Start	6030	End	7203
GI	4160294	Score	657
Exons	6030..6314, 6713..7203		
GI Descrip.	(Y18644) methyltransferase-like protein 1 [Mus musculus]		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90122	Strand	+
Start	12586	End	14469
Name	OJ000450_09.0412.C2.o4.gs	Method	GENSCAN
Start	12586	End	14469
GI	none	Score	.44
Exons	12586..12820, 12935..13102, 14243..14469		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90123	Strand	+
Start	20723	End	20989
Name	OJ000450_09.0412.C2.o4.gp	Method	AAT/GAP
Start	20723	End	20989
GI	none	Score	504
Exons	20723..20989		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90124	Strand	+
Start	35460	End	35649
Name	OJ000450_09.0412.C2.o7.gp	Method	AAT/GAP
Start	35460	End	35649
GI	none	Score	359
Exons	35460..35649		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90125	Strand	+
Start	41629	End	42663
Name	OJ000450_09.0412.C2.o8.gs	Method	GENSCAN
Start	41629	End	42663
GI	none	Score	.85
Exons	41629..42180, 42499..42663		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90126	Strand	+
Start	46868	End	47124
Name	OJ000450_09.0412.C2.o8.gp	Method	AAT/GAP
Start	46868	End	47124
GI	969000	Score	401
Exons	46868..47124		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90127	Strand	-
Start	6900	End	7330
Name	OJ000450_09.0412.C2.o2.gp	Method	AAT/GAP
Start	6900	End	7330
GI	39248_1.R1084	Score	819
Exons	6900..7330		
GI Descrip.	'4512325/dbj\|BAA75230.1\| 2.0e-20 (AB023619) methyltransferase related protein [Mus musculus]'		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90128	Strand	-
Start	8040	End	10021
Name	OJ000450_09.0412.C2.o3.gp	Method	AAT/GAP
Start	7927	End	8940
GI	LIB3431-047-P1-N1-D8	Score	805
Exons	7927..8144, 8412..8510, 8601..8699, 8910..8940		
GI Descrip.	'5911312/gb\|AAD55746.1\|AF026167_1 1.0e-46 (AF026167) ankyrin repeat protein EMB506 [Arabidopsis thaliana]'		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90128	Strand	-
Start	8040	End	10021
Name	OJ000450_09.0412.C2.o3.gs	Method	GENSCAN
Start	8040	End	10021
GI	none	Score	.65
Exons	8040..8144, 8412..8510, 8601..8699, 8910..9008, 9171..9269, 9419..9498, 9625..10021		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90128	Strand	-
Start	8040	End	10021
Name	OJ000450_09.0412.C2.o2.np	Method	AAT/NAP
Start	8046	End	9786
GI	5911312	Score	550
Exons	8046..8144, 8412..8510, 8601..8699, 8910..9008, 9171..9269, 9419..9498, 9628..9786		
GI Descrip.	(AF026167) ankyrin repeat protein EMB506 [Arabidopsis thaliana]		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90129	Strand	-
Start	15326	End	20411
Name	OJ000450_09.0412.C2.o3.np	Method	AAT/NAP
Start	15326	End	20411
GI	5091544	Score	880
Exons	15326..15421, 15497..15581, 15676..15796, 17345..17404, 17852..18188, 18278..18340, 18678..18808, 18872..18998, 19504..19873, 20050..20211, 20299..20411		

GI Descrip. (AC007067) T10O24.13 [Arabidopsis thaliana]

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90130	Strand	-
Start	21367	End	21875
Name	OJ000450_09.0412.C2.o5.gp	Method	AAT/GAP
Start	21367	End	21875
GI	uC-osflcyp032h03b1	Score	932
Exons	21367..21875		
GI Descrip.	'283442/pir\|\|A40215 5.0e-09 TcD antigen - Trypanosoma cruzi'		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90131	Strand	-
Start	24374	End	26665
Name	OJ000450_09.0412.C2.o5.np	Method	AAT/NAP
Start	24374	End	26665
GI	4105772	Score	526
Exons	24374..24589, 25203..25303, 25564..25693, 26531..26665		
GI Descrip.	(AF049917) PGP9B [Petunia x hybrida]		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90132	Strand	-
Start	28125	End	33768
Name	OJ000450_09.0412.C2.o6.gs	Method	GENSCAN
Start	28125	End	33768
GI	none	Score	.4
Exons	28125..28627, 28973..29027, 29242..29361, 29544..29570, 30037..30192, 30271..30550, 31465..31854, 32154..32353, 32502..32602, 32747..32950, 33711..33768		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90132	Strand	-
Start	28125	End	33768
Name	OJ000450_09.0412.C2.o6.np	Method	AAT/NAP
Start	31449	End	32954
GI	7447414	Score	566
Exons	31449..31854, 32154..32335, 32490..32602, 32747..32954		
GI Descrip.	xyloglucan endo-1,4-beta-D-glucanase homolog F25G13.170 - Arabidopsis thaliana gi\|5123949\|emb\|CAB45507.1\| (AL079349) endoxyloglucan transferase-like protein [Arabidopsis thaliana] gi\|7268010\|emb\|CAB78350.1\| (AL161535) endoxyloglucan transferase-like protein [Arabidopsis thaliana]		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90132	Strand	-
Start	28125	End	33768
Name	OJ000450_09.0412.C2.o6.gp	Method	AAT/GAP
Start	32182	End	32915
GI	4880017	Score	696
Exons	32182..32353, 32502..32594, 32758..32915		
GI Descrip.	5123950/emb\|CAB45508.1\| 1.0e-10 (AL079349) endoxyloglucan transferase-like protein [Arabidopsis thaliana]		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90133	Strand	-
Start	34831	End	41134
Name	OJ000450_09.0412.C2.o7.gs	Method	GENSCAN

Start	34831	End	41049
GI	none	Score	.91
Exons	34831..34902, 35940..36041, 36143..36223, 36306..36401, 36479..36583, 36665..36739, 37385..37444, 37973..38103, 38188..38263, 39326..39472, 39801..39884, 40461..40598, 40746..40804, 40923..41049		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90133	Strand	-
Start	34831	End	41134
Name	OJ000450_09.0412.C2.o7.np	Method	AAT/NAP
Start	35798	End	41134
GI	5091543	Score	1221
Exons	35798..35863, 35940..36041, 36143..36223, 36306..36583, 36665..36739, 37385..37541, 37970..38103, 38188..38263, 39403..39472, 39732..39884, 39986..40060, 40461..40598, 40746..40804, 40923..41134		
GI Descrip.	(AC007067) T10O24.12 [Arabidopsis thaliana]		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90134	Strand	-
Start	44675	End	45664
Name	OJ000450_09.0412.C2.o8.np	Method	AAT/NAP
Start	44675	End	45664
GI	7433097	Score	867
Exons	44675..45664		
GI Descrip.	probable peroxidase - Arabidopsis thaliana gi\|2245128\|emb\|CAB10549.1\| (Z97344) peroxidase like protein [Arabidopsis thaliana] gi\|7268522\|emb\|CAB78772.1\| (AL161547) peroxidase like protein [Arabidopsis thaliana]		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90135	Strand	-
Start	47628	End	47698
Name	OJ000450_09.0412.C2.o3.tm	Method	TBLASTX:Maize
Start	6042	End	6248
GI	none	Score	303
Exons	6042..6248, 6047..6247		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90135	Strand	-
Start	47628	End	47698
Name	OJ000450_09.0412.C2.o4.tc	Method	TBLASTX:Cress
Start	6045	End	6811
GI	none	Score	179
Exons	6045..6161, 6047..6142, 6204..6317, 6260..6316, 6710..6760, 6749..6811		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90135	Strand	-
Start	47628	End	47698
Name	OJ000450_09.0412.C2.o4.ts	Method	TBLASTX:Soybean
Start	6045	End	6841
GI	none	Score	192
Exons	6045..6167, 6047..6169, 6210..6317, 6260..6316, 6710..6736, 6736..6831, 6737..6841		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90135	Strand	-
Start	47628	End	47698
Name	OJ000450_09.0412.C2.o1.tm	Method	TBLASTX:Maize
Start	6249	End	7181
GI	none	Score	77
Exons	6249..6326, 6264..6317, 6710..7168, 6710..7159, 6715..7167, 6939..7181, 7068..7181		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90135	Strand	-
Start	47628	End	47698
Name	OJ000450_09.0412.C2.o2.tc	Method	TBLASTX:Cress
Start	6874	End	7159
GI	none	Score	406
Exons	6874..7155, 6875..7159		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90135	Strand	-
Start	47628	End	47698
Name	OJ000450_09.0412.C2.o3.tc	Method	TBLASTX:Cress
Start	8058	End	8702
GI	none	Score	65
Exons	8058..8147, 8059..8145, 8410..8511, 8410..8505, 8412..8513, 8412..8510, 8598..8681, 8601..8702, 8641..8700		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90135	Strand	-
Start	47628	End	47698
Name	OJ000450_09.0412.C2.o3.ts	Method	TBLASTX:Soybean
Start	12766	End	13101
GI	none	Score	88
Exons	12766..12822, 12774..12824, 12903..12995, 12922..13101, 12924..13100		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90135	Strand	-
Start	47628	End	47698
Name	OJ000450_09.0412.C2.o10.tm	Method	TBLASTX:Maize
Start	21104	End	23371
GI	none	Score	86
Exons	21104..21271, 21149..21373, 21193..21369, 21193..21315, 21200..21433, 21223..21435, 21233..21493, 21257..21292, 21266..21493, 21293..21553, 21295..21549, 21334..21378, 21356..21613, 21370..21573, 21410..21583, 21424..21588, 21430..21528, 21473..21694, 21476..21694, 21496..21531, 21536..21763, 21596..21847, 21610..21753, 21611..21754, 21618..21752, 21634..21753, 23147..23371		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90135	Strand	-
Start	47628	End	47698
Name	OJ000450_09.0412.C2.o4.tm	Method	TBLASTX:Maize
Start	21954	End	22822
GI	none	Score	40
Exons	21954..22010, 21971..22138, 21976..22077, 22018..22128, 22018..22107, 22046..22369, 22058..22105, 22079..22414,		

22152..22319, 22169..22408, 22483..22503, 22541..22597,
22576..22641, 22606..22698, 22616..22702, 22709..22822,
22714..22821

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90135	Strand	-
Start	47628	End	47698
Name	OJ000450_09.0412.C2.o6.tc	Method	TBLASTX:Cress
Start	24396	End	26651
GI	none	Score	92
Exons	24396..24599, 24401..24598, 24416..24568, 25194..25277, 25197..25262, 25201..25278, 25577..25690, 25592..25699, 25593..25700, 26528..26650, 26534..26650, 26535..26651		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90135	Strand	-
Start	47628	End	47698
Name	OJ000450_09.0412.C2.o6.ts	Method	TBLASTX:Soybean
Start	24410	End	26651
GI	none	Score	66
Exons	24410..24556, 24414..24563, 24416..24568, 24425..24592, 24429..24599, 25192..25278, 25194..25277, 25197..25271, 25562..25690, 25577..25699, 25593..25700, 26528..26650, 26534..26650, 26535..26651		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90135	Strand	-
Start	47628	End	47698
Name	OJ000450_09.0412.C2.o2.tw	Method	TBLASTX:Wheat
Start	24416	End	26650
GI	none	Score	72
Exons	24416..24568, 24461..24598, 24480..24599, 25194..25277, 25198..25278, 25577..25699, 25593..25679, 26528..26623, 26534..26650, 26535..26621, 26621..26650		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90135	Strand	-
Start	47628	End	47698
Name	OJ000450_09.0412.C2.o9.tm	Method	TBLASTX:Maize
Start	24425	End	25690
GI	none	Score	101
Exons	24425..24595, 24429..24590, 25562..25690		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90135	Strand	-
Start	47628	End	47698
Name	OJ000450_09.0412.C2.o11.tm	Method	TBLASTX:Maize
Start	25178	End	26651
GI	none	Score	96
Exons	25178..25276, 25194..25286, 25197..25286, 25201..25287, 26531..26650, 26532..26651, 26534..26650, 26550..26651		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90135	Strand	-
Start	47628	End	47698
Name	OJ000450_09.0412.C2.o8.tm	Method	TBLASTX:Maize
Start	31683	End	32606

GI	none	Score	77
Exons	31683..31781, 31690..31779, 32153..32323, 32166..32288, 32490..32606		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90135	Strand	-
Start	47628	End	47698
Name	OJ000450_09.0412.C2.o5.tc	Method	TBLASTX:Cress
Start	32078	End	32332
GI	none	Score	78
Exons	32078..32332, 32151..32288		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90135	Strand	-
Start	47628	End	47698
Name	OJ000450_09.0412.C2.o5.ts	Method	TBLASTX:Soybean
Start	32111	End	32323
GI	none	Score	92
Exons	32111..32323, 32148..32294		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90135	Strand	-
Start	47628	End	47698
Name	OJ000450_09.0412.C2.o6.tm	Method	TBLASTX:Maize
Start	35794	End	36185
GI	none	Score	84
Exons	35794..35865, 35813..35866, 35917..35994, 35934..36044, 36000..36041, 36143..36184, 36147..36185		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90135	Strand	-
Start	47628	End	47698
Name	OJ000450_09.0412.C2.o2.ts	Method	TBLASTX:Soybean
Start	35806	End	37447
GI	none	Score	48
Exons	35806..35868, 35813..35866, 35938..36042, 35940..36044, 35941..35991, 36008..36046, 36141..36224, 36143..36229, 36292..36402, 36306..36404, 36476..36544, 36480..36542, 37385..37447		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90135	Strand	-
Start	47628	End	47698
Name	OJ000450_09.0412.C2.o5.tm	Method	TBLASTX:Maize
Start	37397	End	38258
GI	none	Score	72
Exons	37397..37480, 37973..38104, 37974..38108, 38173..38253, 38186..38257, 38187..38258		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90135	Strand	-
Start	47628	End	47698
Name	OJ000450_09.0412.C2.o2.tm	Method	TBLASTX:Maize
Start	44678	End	45506
GI	none	Score	110
Exons	44678..45016, 44679..44822, 44762..44878, 44886..45017, 45038..45262, 45045..45194, 45164..45505, 45221..45436,		

45252..45506

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90135	Strand	-
Start	47628	End	47698
Name	OJ000450_09.0412.C2.o1.tc	Method	TBLASTX:Cress
Start	44687	End	45595
GI	none	Score	47
Exons	44687..44929, 44963..45016, 45038..45406, 45252..45404, 45422..45595, 45450..45566		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90135	Strand	-
Start	47628	End	47698
Name	OJ000450_09.0412.C2.o1.ts	Method	TBLASTX:Soybean
Start	44699	End	45595
GI	none	Score	78
Exons	44699..44950, 44969..45016, 45038..45319, 45054..45140, 45368..45595, 45369..45566		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90135	Strand	-
Start	47628	End	47698
Name	OJ000450_09.0412.C2.o1.tw	Method	TBLASTX:Wheat
Start	45038	End	45589
GI	none	Score	68
Exons	45038..45589, 45054..45176, 45239..45385, 45252..45566		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90135	Strand	-
Start	47628	End	47698
Name	OJ000450_09.0412.C2.o7.tm	Method	TBLASTX:Maize
Start	47376	End	47698
GI	none	Score	139
Exons	47376..47696, 47385..47519, 47395..47697, 47579..47698		

Seq. No.	43059	Seq. ID	OJ000450_09.0412.C2
Gene No.	90135	Strand	-
Start	47628	End	47698
Name	OJ000450_09.0412.C2.o9.gp	Method	AAT/GAP
Start	47628	End	47689
GI	LIB3434-010-P1-K1-F1	Score	93
Exons	47628..47689		
GI Descrip.	'2829865 4.0e-41 (AC002396) N-terminal region similar to DNA-J proteins [Arabidopsis thaliana]'		

Seq. No.	43060	Seq. ID	OJ000450_09.0412.C3
Gene No.	90136	Strand	+
Start	7124	End	7230
Name	OJ000450_09.0412.C3.o3.np	Method	AAT/NAP
Start	7124	End	7230
GI	5852093	Score	80
Exons	7124..7230		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	43060	Seq. ID	OJ000450_09.0412.C3
Gene No.	90137	Strand	-

Start	1	End	4551
Name	OJ000450_09.0412.C3.o1.gp	Method	AAT/GAP
Start	1	End	644
GI	LIB3434-010-P1-K1-F1	Score	517
Exons	1..110, 204..352, 430..537, 622..644		
GI Descrip.	'2829865 4.0e-41 (AC002396) N-terminal region similar to DNA-J proteins [Arabidopsis thaliana]'		

Seq. No.	43060	Seq. ID	OJ000450_09.0412.C3
Gene No.	90137	Strand	-
Start	1	End	4551
Name	OJ000450_09.0412.C3.o1.np	Method	AAT/NAP
Start	1	End	3133
GI	4249662	Score	789
Exons	1..110, 204..352, 430..537, 618..708, 1157..1207, 2067..2171, 2258..2369, 2468..2550, 2618..2741, 3006..3133		
GI Descrip.	(AF089810) Altered Response to Gravity [Arabidopsis thaliana] gi\|6714354\|gb\|AAF26045.1\|AC015986_8 (AC015986) ARG1 protein (Altered Response to Gravity) [Arabidopsis thaliana]		

Seq. No.	43060	Seq. ID	OJ000450_09.0412.C3
Gene No.	90137	Strand	-
Start	1	End	4551
Name	OJ000450_09.0412.C3.o1.gs	Method	GENSCAN
Start	205	End	4551
GI	none	Score	.87
Exons	205..404, 622..708, 1157..1207, 2258..2369, 2468..2550, 2618..2725, 3006..3290, 3553..3669, 4549..4551		

Seq. No.	43060	Seq. ID	OJ000450_09.0412.C3
Gene No.	90138	Strand	-
Start	4947	End	5152
Name	OJ000450_09.0412.C3.o2.np	Method	AAT/NAP
Start	4947	End	5152
GI	6539571	Score	60
Exons	4947..5152		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	43060	Seq. ID	OJ000450_09.0412.C3
Gene No.	90139	Strand	-
Start	6631	End	11714
Name	OJ000450_09.0412.C3.o2.gs	Method	GENSCAN
Start	6631	End	11714
GI	none	Score	.81
Exons	6631..6769, 10708..11042, 11120..11593, 11610..11714		

Seq. No.	43060	Seq. ID	OJ000450_09.0412.C3
Gene No.	90139	Strand	-
Start	6631	End	11714
Name	OJ000450_09.0412.C3.o4.np	Method	AAT/NAP
Start	8112	End	11501
GI	7487367	Score	339
Exons	8112..8143, 9843..9939, 9988..10056, 10884..11034, 11115..11501		
GI Descrip.	hypothetical protein T23J7.160 - Arabidopsis thaliana gi\|4741200\|emb\|CAB41866.1\| (AL049746) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43060	Seq. ID	OJ000450_09.0412.C3
Gene No.	90139	Strand	-
Start	6631	End	11714
Name	OJ000450_09.0412.C3.o2.gp	Method	AAT/GAP
Start	11026	End	11315
GI	uC-osroM202005h10b1	Score	547
Exons	11026..11315		
GI Descrip.	'5123950/emb\|CAB45508.1\| 1.0e-10 (AL079349) endoxyloglucan transferase-like protein [Arabidopsis thaliana]'		

Seq. No.	43060	Seq. ID	OJ000450_09.0412.C3
Gene No.	90139	Strand	-
Start	6631	End	11714
Name	OJ000450_09.0412.C3.o5.np	Method	AAT/NAP
Start	11579	End	11680
GI	6016874	Score	42
Exons	11579..11680		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	43060	Seq. ID	OJ000450_09.0412.C3
Gene No.	90140	Strand	-
Start	14816	End	15385
Name	OJ000450_09.0412.C3.o1.tc	Method	TBLASTX:Cress
Start	42	End	3142
GI	none	Score	61
Exons	42..113, 55..108, 204..353, 205..354, 419..535, 429..527, 634..711, 644..715, 2050..2178, 2064..2177, 2067..2180, 2255..2371, 2256..2375, 2468..2515, 2470..2553, 2617..2733, 2618..2743, 2619..2744, 3014..3142		

Seq. No.	43060	Seq. ID	OJ000450_09.0412.C3
Gene No.	90140	Strand	-
Start	14816	End	15385
Name	OJ000450_09.0412.C3.o1.tm	Method	TBLASTX:Maize
Start	249	End	3149
GI	none	Score	132
Exons	249..353, 250..354, 404..535, 419..535, 616..711, 621..710, 623..712, 1157..1216, 2064..2174, 2068..2175, 2255..2371, 2256..2372, 2464..2547, 2471..2530, 2472..2546, 2613..2759, 2618..2743, 2620..2745, 3003..3083, 3005..3073, 3014..3109, 3015..3116, 3095..3148, 3096..3149		

Seq. No.	43060	Seq. ID	OJ000450_09.0412.C3
Gene No.	90140	Strand	-
Start	14816	End	15385
Name	OJ000450_09.0412.C3.o2.ts	Method	TBLASTX:Soybean
Start	425	End	711
GI	none	Score	68
Exons	425..535, 429..527, 631..711, 635..709, 640..711		

Seq. No.	43060	Seq. ID	OJ000450_09.0412.C3
Gene No.	90140	Strand	-
Start	14816	End	15385
Name	OJ000450_09.0412.C3.o1.ts	Method	TBLASTX:Soybean
Start	2255	End	3091

GI	none	Score	105
Exons	2255..2371, 2277..2378, 2473..2553, 2611..2733, 2615..2740, 2618..2743, 2619..2759, 2997..3083, 3014..3091		

Seq. No.	43060	Seq. ID	OJ000450_09.0412.C3
Gene No.	90140	Strand	-
Start	14816	End	15385
Name	OJ000450_09.0412.C3.o2.tm	Method	TBLASTX:Maize
Start	9706	End	10091
GI	none	Score	293
Exons	9706..9987, 9710..9988, 9783..9995, 10021..10089, 10026..10091, 10027..10089, 10028..10090		

Seq. No.	43060	Seq. ID	OJ000450_09.0412.C3
Gene No.	90140	Strand	-
Start	14816	End	15385
Name	OJ000450_09.0412.C3.o3.tm	Method	TBLASTX:Maize
Start	10866	End	11378
GI	none	Score	84
Exons	10866..10940, 10866..11069, 10867..11007, 11117..11230, 11118..11228, 11309..11377, 11334..11378		

Seq. No.	43060	Seq. ID	OJ000450_09.0412.C3
Gene No.	90140	Strand	-
Start	14816	End	15385
Name	OJ000450_09.0412.C3.o4.gs	Method	GENSCAN
Start	14816	End	15385
GI	none	Score	.79
Exons	14816..15027, 15054..15150, 15332..15385		

Seq. No.	43061	Seq. ID	OJ000450_09.0412.C5
Gene No.	90141	Strand	+
Start	2805	End	9179
Name	OJ000450_09.0412.C5.o1.gs	Method	GENSCAN
Start	2805	End	4361
GI	none	Score	.47
Exons	2805..3116, 3225..4361		

Seq. No.	43061	Seq. ID	OJ000450_09.0412.C5
Gene No.	90141	Strand	+
Start	2805	End	9179
Name	OJ000450_09.0412.C5.o1.np	Method	AAT/NAP
Start	2868	End	9097
GI	7487366	Score	586
Exons	2868..3388, 8071..9097		
GI Descrip.	hypothetical protein T23J7.150 - Arabidopsis thaliana gi\|4741199\|emb\|CAB41865.1\| (AL049746) putative protein [Arabidopsis thaliana]		

Seq. No.	43061	Seq. ID	OJ000450_09.0412.C5
Gene No.	90141	Strand	+
Start	2805	End	9179
Name	OJ000450_09.0412.C5.o3.gs	Method	GENSCAN
Start	7704	End	9179
GI	none	Score	1
Exons	7704..9179		

Seq. No.	43061	Seq. ID	OJ000450_09.0412.C5
Gene No.	90142	Strand	+
Start	16433	End	20288
Name	OJ000450_09.0412.C5.o3.np	Method	AAT/NAP
Start	16433	End	20288
GI	6466937	Score	1008
Exons	16433..16460, 18099..18554, 18582..20288		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	43061	Seq. ID	OJ000450_09.0412.C5
Gene No.	90143	Strand	-
Start	9527	End	14260
Name	OJ000450_09.0412.C5.o4.ts	Method	TBLASTX:Soybean
Start	3375	End	8504
GI	none	Score	52
Exons	3375..3443, 3434..3709, 3549..3710, 8223..8504		

Seq. No.	43061	Seq. ID	OJ000450_09.0412.C5
Gene No.	90143	Strand	-
Start	9527	End	14260
Name	OJ000450_09.0412.C5.o6.tm	Method	TBLASTX:Maize
Start	3921	End	9041
GI	none	Score	61
Exons	3921..4004, 4016..4165, 4044..4157, 4137..4211, 4248..4292, 8685..8768, 8778..8846, 8802..8900, 8916..9041		

Seq. No.	43061	Seq. ID	OJ000450_09.0412.C5
Gene No.	90143	Strand	-
Start	9527	End	14260
Name	OJ000450_09.0412.C5.o1.gp	Method	AAT/GAP
Start	9527	End	12434
GI	4671_1.R1084	Score	1414
Exons	9527..9688, 9783..9900, 9991..10069, 10927..11128, 11226..11261, 12198..12434		
GI Descrip.	'4544428/gb\|AAD22337.1\|AC006955_23 7.0e-33 (AC006955) unknown protein [Arabidopsis thaliana]'		

Seq. No.	43061	Seq. ID	OJ000450_09.0412.C5
Gene No.	90143	Strand	-
Start	9527	End	14260
Name	OJ000450_09.0412.C5.o4.tm	Method	TBLASTX:Maize
Start	9788	End	10074
GI	none	Score	164
Exons	9788..9898, 9789..9899, 9791..9898, 9792..9899, 9953..10069, 9991..10074, 9992..10069		

Seq. No.	43061	Seq. ID	OJ000450_09.0412.C5
Gene No.	90143	Strand	-
Start	9527	End	14260
Name	OJ000450_09.0412.C5.o1.tc	Method	TBLASTX:Cress
Start	9818	End	11267
GI	none	Score	65
Exons	9818..9895, 9995..10060, 10924..10971, 10925..10975, 10981..11133, 10985..11125, 11211..11267		

Seq. No.	43061	Seq. ID	OJ000450_09.0412.C5

Gene No.	90143	Strand	-
Start	9527	End	14260
Name	OJ000450_09.0412.C5.o1.ts	Method	TBLASTX:Soybean
Start	9827	End	11267
GI	none	Score	81
Exons	9827..9898, 9830..9904, 9992..10072, 10921..11133, 10925..11125, 10927..11127, 11223..11267, 11225..11263		

Seq. No.	43061	Seq. ID	OJ000450_09.0412.C5
Gene No.	90143	Strand	-
Start	9527	End	14260
Name	OJ000450_09.0412.C5.o2.np	Method	AAT/NAP
Start	9986	End	12707
GI	4544428	Score	340
Exons	9986..10069, 10927..11128, 11226..11261, 12198..12270, 12605..12707		
GI Descrip.	(AC006955) unknown protein [Arabidopsis thaliana]		

Seq. No.	43061	Seq. ID	OJ000450_09.0412.C5
Gene No.	90143	Strand	-
Start	9527	End	14260
Name	OJ000450_09.0412.C5.o4.gs	Method	GENSCAN
Start	10480	End	14260
GI	none	Score	.72
Exons	10480..10491, 10927..11128, 12234..12569, 13132..13271, 14219..14260		

Seq. No.	43061	Seq. ID	OJ000450_09.0412.C5
Gene No.	90143	Strand	-
Start	9527	End	14260
Name	OJ000450_09.0412.C5.o2.tm	Method	TBLASTX:Maize
Start	10880	End	11267
GI	none	Score	48
Exons	10880..10918, 10881..10916, 10922..11170, 10924..11172, 10924..11187, 10925..11173, 11019..11222, 11178..11264, 11196..11267		

Seq. No.	43061	Seq. ID	OJ000450_09.0412.C5
Gene No.	90144	Strand	
Start	18719	End	19552
Name	OJ000450_09.0412.C5.o3.tm	Method	TBLASTX:Maize
Start	18719	End	19552
GI	none	Score	131
Exons	18719..18862, 18914..19156, 19244..19327, 19448..19552		

Seq. No.	43061	Seq. ID	OJ000450_09.0412.C5
Gene No.	90145	Strand	
Start	19540	End	20077
Name	OJ000450_09.0412.C5.o1.tw	Method	TBLASTX:Wheat
Start	19540	End	20023
GI	none	Score	393
Exons	19540..20019, 19541..20023		

Seq. No.	43061	Seq. ID	OJ000450_09.0412.C5
Gene No.	90145	Strand	
Start	19540	End	20077
Name	OJ000450_09.0412.C5.o3.ts	Method	TBLASTX:Soybean

Start	19577	End	19891
GI	none	Score	202
Exons	19577..19891		

Seq. No.	43061	Seq. ID	OJ000450_09.0412.C5
Gene No.	90145	Strand	
Start	19540	End	20077
Name	OJ000450_09.0412.C5.o1.tm	Method	TBLASTX:Maize
Start	19603	End	20077
GI	none	Score	599
Exons	19603..20076, 19604..20077		

Seq. No.	43061	Seq. ID	OJ000450_09.0412.C5
Gene No.	90146	Strand	
Start	19987	End	20287
Name	OJ000450_09.0412.C5.o2.ts	Method	TBLASTX:Soybean
Start	19987	End	20287
GI	none	Score	259
Exons	19987..20286, 20000..20287		

Seq. No.	43061	Seq. ID	OJ000450_09.0412.C5
Gene No.	90146	Strand	
Start	19987	End	20287
Name	OJ000450_09.0412.C5.o2.tw	Method	TBLASTX:Wheat
Start	20027	End	20265
GI	none	Score	201
Exons	20027..20230, 20027..20242, 20113..20265		

Seq. No.	43061	Seq. ID	OJ000450_09.0412.C5
Gene No.	90146	Strand	
Start	19987	End	20287
Name	OJ000450_09.0412.C5.o5.tm	Method	TBLASTX:Maize
Start	20078	End	20287
GI	none	Score	243
Exons	20078..20287, 20080..20286		

Seq. No.	43062	Seq. ID	OJ000450_09.0412.C6
Gene No.	90147	Strand	+
Start	1	End	1396
Name	OJ000450_09.0412.C6.o1.np	Method	AAT/NAP
Start	1	End	1396
GI	6466937	Score	934
Exons	1..1396		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	43062	Seq. ID	OJ000450_09.0412.C6
Gene No.	90148	Strand	-
Start	5432	End	5508
Name	OJ000450_09.0412.C6.o3.tw	Method	TBLASTX:Wheat
Start	5	End	205
GI	none	Score	219
Exons	5..205, 13..51, 151..204		

Seq. No.	43062	Seq. ID	OJ000450_09.0412.C6
Gene No.	90148	Strand	-
Start	5432	End	5508

Name	OJ000450_09.0412.C6.o1.tm	Method	TBLASTX:Maize
Start	38	End	671
GI	none	Score	802
Exons	38..670, 40..669, 483..671		

Seq. No.	43062	Seq. ID	OJ000450_09.0412.C6
Gene No.	90148	Strand	-
Start	5432	End	5508
Name	OJ000450_09.0412.C6.o1.ts	Method	TBLASTX:Soybean
Start	62	End	445
GI	none	Score	330
Exons	62..445, 76..444		

Seq. No.	43062	Seq. ID	OJ000450_09.0412.C6
Gene No.	90148	Strand	-
Start	5432	End	5508
Name	OJ000450_09.0412.C6.o1.tw	Method	TBLASTX:Wheat
Start	293	End	885
GI	none	Score	297
Exons	293..676, 385..669, 745..885		

Seq. No.	43062	Seq. ID	OJ000450_09.0412.C6
Gene No.	90148	Strand	-
Start	5432	End	5508
Name	OJ000450_09.0412.C6.o2.tm	Method	TBLASTX:Maize
Start	733	End	1320
GI	none	Score	505
Exons	733..1320, 769..1029, 852..1034, 1102..1320		

Seq. No.	43062	Seq. ID	OJ000450_09.0412.C6
Gene No.	90148	Strand	-
Start	5432	End	5508
Name	OJ000450_09.0412.C6.o4.tw	Method	TBLASTX:Wheat
Start	886	End	1061
GI	none	Score	191
Exons	886..1050, 897..1061		

Seq. No.	43062	Seq. ID	OJ000450_09.0412.C6
Gene No.	90148	Strand	-
Start	5432	End	5508
Name	OJ000450_09.0412.C6.o2.tw	Method	TBLASTX:Wheat
Start	2204	End	2470
GI	none	Score	120
Exons	2204..2470, 2205..2462		

Seq. No.	43062	Seq. ID	OJ000450_09.0412.C6
Gene No.	90148	Strand	-
Start	5432	End	5508
Name	OJ000450_09.0412.C6.o3.tm	Method	TBLASTX:Maize
Start	2204	End	2470
GI	none	Score	90
Exons	2204..2470, 2205..2462		

Seq. No.	43062	Seq. ID	OJ000450_09.0412.C6
Gene No.	90148	Strand	-
Start	5432	End	5508
Name	OJ000450_09.0412.C6.o3.gs	Method	GENSCAN

Start	5432	End	5508
GI	none	Score	.7
Exons	5432..5508		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90149	Strand	+
Start	5945	End	7640
Name	OJ000450_04.0410.C3.o1.gp	Method	AAT/GAP
Start	4706	End	5140
GI	5886_1.R1084	Score	836
Exons	4706..5140		
GI Descrip.	'11957/emb\|X15901\|CHOSXX 0.0e+00 Rice complete chloroplast genome'		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90149	Strand	+
Start	5945	End	7640
Name	OJ000450_04.0410.C3.o2.gs	Method	GENSCAN
Start	5945	End	7640
GI	none	Score	.61
Exons	5945..6485, 7486..7640		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90150	Strand	+
Start	11780	End	13670
Name	OJ000450_04.0410.C3.o4.gs	Method	GENSCAN
Start	11780	End	13366
GI	none	Score	1
Exons	11780..13366		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90150	Strand	+
Start	11780	End	13670
Name	OJ000450_04.0410.C3.o3.gp	Method	AAT/GAP
Start	11918	End	12394
GI	none	Score	879
Exons	11918..12394		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90150	Strand	+
Start	11780	End	13670
Name	OJ000450_04.0410.C3.o4.gp	Method	AAT/GAP
Start	12760	End	13039
GI	none	Score	522
Exons	12760..13039		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90150	Strand	+
Start	11780	End	13670
Name	OJ000450_04.0410.C3.o5.gp	Method	AAT/GAP
Start	13081	End	13670
GI	none	Score	1151
Exons	13081..13670		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90151	Strand	-
Start	217	End	2784

Name	OJ000450_04.0410.C3.o1.gs	Method	GENSCAN
Start	217	End	2784
GI	none	Score	.4
Exons	217..2784		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90152	Strand	-
Start	5288	End	5660
Name	OJ000450_04.0410.C3.o2.gp	Method	AAT/GAP
Start	5288	End	5660
GI	LIB3431-005-P1-N1-A5	Score	687
Exons	5288..5660		
GI Descrip.	'131251/sp\|P12094\|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90153	Strand	-
Start	8464	End	11105
Name	OJ000450_04.0410.C3.o3.gs	Method	GENSCAN
Start	8464	End	11105
GI	none	Score	.81
Exons	8464..8595, 9253..9534, 10634..10911, 11024..11105		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90154	Strand	-
Start	13951	End	21741
Name	OJ000450_04.0410.C3.o2.ts	Method	TBLASTX:Soybean
Start	205	End	1086
GI	none	Score	58
Exons	205..327, 229..327, 403..549, 404..550, 640..768, 826..1086		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90154	Strand	-
Start	13951	End	21741
Name	OJ000450_04.0410.C3.o9.tm	Method	TBLASTX:Maize
Start	218	End	550
GI	none	Score	225
Exons	218..550, 222..314, 226..324, 403..549		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90154	Strand	-
Start	13951	End	21741
Name	OJ000450_04.0410.C3.o5.tc	Method	TBLASTX:Cress
Start	403	End	912
GI	none	Score	138
Exons	403..549, 640..768, 826..912		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90154	Strand	-
Start	13951	End	21741
Name	OJ000450_04.0410.C3.o2.tm	Method	TBLASTX:Maize
Start	640	End	1263

GI	none	Score	62
Exons	640..1263, 671..751, 829..1026, 959..1171, 1081..1263		
Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90154	Strand	-
Start	13951	End	21741
Name	OJ000450_04.0410.C3.o1.tc	Method	TBLASTX:Cress
Start	967	End	1584
GI	none	Score	52
Exons	967..1200, 1105..1188, 1222..1401, 1235..1402, 1390..1584, 1391..1546		
Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90154	Strand	-
Start	13951	End	21741
Name	OJ000450_04.0410.C3.o1.tw	Method	TBLASTX:Wheat
Start	991	End	1381
GI	none	Score	102
Exons	991..1200, 995..1174, 1222..1380, 1235..1381		
Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90154	Strand	-
Start	13951	End	21741
Name	OJ000450_04.0410.C3.o3.ts	Method	TBLASTX:Soybean
Start	1126	End	1575
GI	none	Score	41
Exons	1126..1188, 1132..1200, 1231..1380, 1235..1381, 1405..1575, 1406..1558		
Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90154	Strand	-
Start	13951	End	21741
Name	OJ000450_04.0410.C3.o3.tm	Method	TBLASTX:Maize
Start	1264	End	1737
GI	none	Score	158
Exons	1264..1389, 1265..1390, 1388..1567, 1402..1638, 1666..1737		
Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90154	Strand	-
Start	13951	End	21741
Name	OJ000450_04.0410.C3.o7.ts	Method	TBLASTX:Soybean
Start	1753	End	2139
GI	none	Score	112
Exons	1753..1836, 1951..2040, 2056..2139		
Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90154	Strand	-
Start	13951	End	21741
Name	OJ000450_04.0410.C3.o6.tc	Method	TBLASTX:Cress
Start	1777	End	2538
GI	none	Score	64
Exons	1777..1827, 1951..2043, 2056..2136, 2173..2259, 2183..2245, 2311..2367, 2485..2538		
Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90154	Strand	-
Start	13951	End	21741

Name	OJ000450_04.0410.C3.o5.tm	Method	TBLASTX:Maize
Start	1984	End	2442
GI	none	Score	45
Exons	1984..2022, 1988..2029, 2042..2131, 2044..2145, 2170..2262, 2180..2245, 2311..2442, 2327..2437		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90154	Strand	-
Start	13951	End	21741
Name	OJ000450_04.0410.C3.o5.ts	Method	TBLASTX:Soybean
Start	2179	End	2442
GI	none	Score	83
Exons	2179..2262, 2183..2245, 2311..2442, 2321..2437		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90154	Strand	-
Start	13951	End	21741
Name	OJ000450_04.0410.C3.o7.tm	Method	TBLASTX:Maize
Start	4756	End	5026
GI	none	Score	250
Exons	4756..4977, 4756..4869, 4757..4978, 4875..4925, 4878..4925, 4966..5025, 4967..5026, 4967..5026		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90154	Strand	-
Start	13951	End	21741
Name	OJ000450_04.0410.C3.o1.ts	Method	TBLASTX:Soybean
Start	5097	End	7056
GI	none	Score	93
Exons	5097..5279, 5109..5273, 5116..5292, 5214..5342, 5215..5340, 5216..5341, 5473..5997, 5480..6034, 5500..5757, 5501..6055, 6018..6209, 6026..6604, 6035..6208, 6043..6591, 6263..6601, 6596..6721, 6606..6749, 6653..6760, 6655..6750, 6756..6872, 6759..6860, 6808..6870, 6866..7048, 6867..7049, 6880..7056		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90154	Strand	-
Start	13951	End	21741
Name	OJ000450_04.0410.C3.o10.tm	Method	TBLASTX:Maize
Start	5238	End	5521
GI	none	Score	175
Exons	5238..5348, 5238..5354, 5239..5349, 5276..5368, 5360..5425, 5365..5430, 5382..5447, 5401..5439, 5442..5468, 5443..5469, 5465..5521, 5479..5520, 5480..5521		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90154	Strand	-
Start	13951	End	21741
Name	OJ000450_04.0410.C3.o2.tc	Method	TBLASTX:Cress
Start	5966	End	6418
GI	none	Score	126
Exons	5966..6028, 5968..6045, 6037..6411, 6038..6415, 6039..6416, 6263..6418		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90154	Strand	-
Start	13951	End	21741

Name	OJ000450_04.0410.C3.o3.tc	Method	TBLASTX:Cress
Start	6529	End	7049
GI	none	Score	119
Exons	6529..6591, 6530..6604, 6530..6607, 6597..6752, 6604..6741, 6606..6752, 6653..6754, 6756..6869, 6773..6859, 6777..6875, 6866..7048, 6867..7049		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90154	Strand	-
Start	13951	End	21741
Name	OJ000450_04.0410.C3.o13.tm	Method	TBLASTX:Maize
Start	9160	End	9337
GI	none	Score	48
Exons	9160..9216, 9161..9217, 9163..9198, 9183..9215, 9217..9336, 9221..9337, 9238..9303, 9251..9337		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90154	Strand	-
Start	13951	End	21741
Name	OJ000450_04.0410.C3.o12.tm	Method	TBLASTX:Maize
Start	9475	End	10847
GI	none	Score	66
Exons	9475..9546, 9480..9545, 10587..10697, 10625..10699, 10694..10846, 10695..10847, 10697..10846		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90154	Strand	-
Start	13951	End	21741
Name	OJ000450_04.0410.C3.o2.tw	Method	TBLASTX:Wheat
Start	11918	End	12028
GI	none	Score	58
Exons	11918..12001, 11922..11957, 11926..12021, 11927..12028		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90154	Strand	-
Start	13951	End	21741
Name	OJ000450_04.0410.C3.o8.tm	Method	TBLASTX:Maize
Start	11918	End	12316
GI	none	Score	170
Exons	11918..12001, 11926..12078, 11930..12031, 12043..12261, 12080..12271, 12143..12277, 12275..12316		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90154	Strand	-
Start	13951	End	21741
Name	OJ000450_04.0410.C3.o1.tm	Method	TBLASTX:Maize
Start	12892	End	13368
GI	none	Score	500
Exons	12892..13203, 12893..13225, 12896..13207, 13210..13272, 13211..13294, 13233..13307, 13280..13366, 13287..13328, 13309..13368		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90154	Strand	-
Start	13951	End	21741
Name	OJ000450_04.0410.C3.o5.gs	Method	GENSCAN
Start	13951	End	21739

GI	none	Score	.86
Exons	13951..14456, 14752..17229, 20062..20253, 20359..20662, 21299..21386, 21482..21585, 21719..21739		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90154	Strand	-
Start	13951	End	21741
Name	OJ000450_04.0410.C3.o4.tc	Method	TBLASTX:Cress
Start	14029	End	16888
GI	none	Score	66
Exons	14029..14115, 14239..14286, 14819..14986, 14820..14984, 14993..15049, 15185..15337, 15485..15544, 15542..15754, 15593..15754, 15593..15751, 15599..15751, 15605..16051, 15605..15724, 15635..15739, 15686..16165, 15743..16165, 15752..16174, 15752..16168, 15752..16153, 15755..16168, 15755..15856, 15818..16117, 15819..15941, 15827..16168, 15881..16351, 15981..16214, 16025..16171, 16172..16273, 16190..16339, 16259..16360, 16352..16393, 16352..16384, 16394..16507, 16403..16510, 16421..16561, 16421..16684, 16421..16603, 16553..16666, 16556..16684, 16640..16693, 16817..16888		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90154	Strand	-
Start	13951	End	21741
Name	OJ000450_04.0410.C3.o6.ts	Method	TBLASTX:Soybean
Start	14170	End	15256
GI	none	Score	130
Exons	14170..14286, 14753..14986, 14987..15064, 15083..15256		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90154	Strand	-
Start	13951	End	21741
Name	OJ000450_04.0410.C3.o11.tm	Method	TBLASTX:Maize
Start	14239	End	15283
GI	none	Score	74
Exons	14239..14304, 14807..15049, 14846..14980, 15083..15283		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90154	Strand	-
Start	13951	End	21741
Name	OJ000450_04.0410.C3.o6.gp	Method	AAT/GAP
Start	14761	End	15021
GI	LIB3477-005-P1-K1-B12	Score	509
Exons	14761..15021		
GI Descrip.	'5734642/dbj\|BAA83373.1\| 2.0e-14 (AP000391) ESTs C22657(S0014),C22656(S0014) correspond to a region of the predicted gene.; Similar to receptor protein kinase, ERECTA (AC004484) [Oryza sativa] >gi_6006357_dbj_BAA84787.1_ (AP000559) ESTs C22657(S0014),C22656(S0014) correspond to a region of the predicted gene.; Similar to receptor protein kinase, ERECTA (AC004484) [Oryza sativ'		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90154	Strand	-
Start	13951	End	21741
Name	OJ000450_04.0410.C3.o3.tw	Method	TBLASTX:Wheat

Start	14876	End	15208
GI	none	Score	63
Exons	14876..14980, 14876..15061, 15080..15208		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90154	Strand	-
Start	13951	End	21741
Name	OJ000450_04.0410.C3.o4.tm	Method	TBLASTX:Maize
Start	15482	End	16300
GI	none	Score	75
Exons	15482..15523, 15483..15521, 15509..15664, 15530..15838, 15540..15839, 15749..15844, 15755..15856, 15971..16099, 16025..16174, 16052..16186, 16139..16300		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90154	Strand	-
Start	13951	End	21741
Name	OJ000450_04.0410.C3.o4.ts	Method	TBLASTX:Soybean
Start	15755	End	16366
GI	none	Score	151
Exons	15755..16000, 15768..16067, 15770..16072, 15899..16138, 15992..16165, 16181..16366		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90154	Strand	-
Start	13951	End	21741
Name	OJ000450_04.0410.C3.o7.gp	Method	AAT/GAP
Start	20036	End	20352
GI	3767631	Score	557
Exons	20036..20352		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90154	Strand	-
Start	13951	End	21741
Name	OJ000450_04.0410.C3.o6.tm	Method	TBLASTX:Maize
Start	20154	End	21741
GI	none	Score	36
Exons	20154..20222, 20158..20220, 20230..20247, 20270..20341, 20309..20677, 20339..20566, 20340..20678, 21296..21385, 21297..21386, 21299..21388, 21497..21583, 21502..21585, 21503..21586, 21669..21740, 21669..21740, 21670..21741		

Seq. No.	43063	Seq. ID	OJ000450_04.0410.C3
Gene No.	90154	Strand	-
Start	13951	End	21741
Name	OJ000450_04.0410.C3.o8.gp	Method	AAT/GAP
Start	21493	End	21739
GI	427695	Score	279
Exons	21493..21585, 21672..21739		

Seq. No.	43064	Seq. ID	OJ000450_04.0410.C5
Gene No.	90155	Strand	+
Start	2474	End	18106
Name	OJ000450_04.0410.C5.o1.gs	Method	GENSCAN
Start	2474	End	4291
GI	none	Score	.57
Exons	2474..2619, 2813..2988, 3001..3048, 3706..3870, 4235..4291		

Seq. No.	43064	Seq. ID	OJ000450_04.0410.C5
Gene No.	90155	Strand	+
Start	2474	End	18106
Name	OJ000450_04.0410.C5.o1.np	Method	AAT/NAP
Start	3709	End	17899
GI	6979913	Score	1260
Exons	3709..3870, 4723..4792, 4869..4927, 5128..5203, 5385..5462, 5597..5684, 6554..6809, 16140..16255, 16325..16542, 17001..17032, 17125..17227, 17453..17561, 17650..17899		
GI Descrip.	(AF221526) prunasin hydrolase isoform PHA precursor [Prunus serotina]		

Seq. No.	43064	Seq. ID	OJ000450_04.0410.C5
Gene No.	90155	Strand	+
Start	2474	End	18106
Name	OJ000450_04.0410.C5.o2.gs	Method	GENSCAN
Start	5378	End	13523
GI	none	Score	.71
Exons	5378..5462, 6517..6701, 7964..8059, 8329..8523, 9288..9403, 9473..9690, 9798..9829, 9924..10026, 10239..10347, 10433..10621, 11646..11760, 12543..12828, 13081..13146, 13269..13327, 13395..13523		

Seq. No.	43064	Seq. ID	OJ000450_04.0410.C5
Gene No.	90155	Strand	+
Start	2474	End	18106
Name	OJ000450_04.0410.C5.o3.gs	Method	GENSCAN
Start	14134	End	17818
GI	none	Score	.81
Exons	14134..14218, 14817..15102, 16325..16542, 17059..17087, 17125..17227, 17453..17561, 17650..17818		

Seq. No.	43064	Seq. ID	OJ000450_04.0410.C5
Gene No.	90155	Strand	+
Start	2474	End	18106
Name	OJ000450_04.0410.C5.o2.gp	Method	AAT/GAP
Start	17190	End	18106
GI	55850_1.R1084	Score	1086
Exons	17190..17227, 17453..17561, 17650..18106		
GI Descrip.	'1236961 2.0e-32 (U50201) prunasin hydrolase precursor [Prunus serotina]'		

Seq. No.	43064	Seq. ID	OJ000450_04.0410.C5
Gene No.	90156	Strand	+
Start	18167	End	18626
Name	OJ000450_04.0410.C5.o4.gs	Method	GENSCAN
Start	18167	End	18626
GI	none	Score	.79
Exons	18167..18287, 18379..18626		

Seq. No.	43064	Seq. ID	OJ000450_04.0410.C5
Gene No.	90157	Strand	-
Start	10236	End	10760
Name	OJ000450_04.0410.C5.o1.gp	Method	AAT/GAP
Start	10236	End	10760
GI	55850_1.R1084	Score	673

Exons	10236..10345, 10431..10760
GI Descrip.	'1236961 2.0e-32 (U50201) prunasin hydrolase precursor [Prunus serotina]'

Seq. No.	43064	Seq. ID	OJ000450_04.0410.C5
Gene No.	90158	Strand	-
Start	20247	End	20701
Name	OJ000450_04.0410.C5.o1.ts	Method	TBLASTX:Soybean
Start	3811	End	17826
GI	none	Score	80
Exons	3811..3870, 4720..4851, 4720..4794, 4722..4829, 4859..4927, 4873..4908, 5113..5202, 5130..5201, 5387..5470, 5595..5690, 5596..5685, 6515..6742, 6558..6878, 6570..6809, 9285..9407, 9312..9404, 9474..9674, 9482..9634, 9920..10030, 9927..10028, 10228..10347, 10229..10351, 10407..10607, 10430..10609, 12645..12704, 13091..13195, 13104..13202, 13259..13327, 13799..13894, 13817..13894, 13822..13905, 14330..14416, 14779..14967, 14783..15052, 14790..15011, 14792..15034, 16137..16259, 16161..16256, 16260..16445, 16325..16525, 16326..16526, 17127..17228, 17127..17231, 17128..17229, 17443..17565, 17630..17815, 17647..17826, 17653..17823		

Seq. No.	43064	Seq. ID	OJ000450_04.0410.C5
Gene No.	90158	Strand	-
Start	20247	End	20701
Name	OJ000450_04.0410.C5.o2.tm	Method	TBLASTX:Maize
Start	4720	End	15034
GI	none	Score	54
Exons	4720..4791, 4859..4927, 5112..5201, 5131..5202, 5387..5470, 5595..5669, 5596..5670, 6557..6748, 6558..6692, 6558..6809, 6720..6809, 13104..13193, 13259..13327, 13793..13894, 13796..13879, 13822..13893, 14330..14401, 14783..15034, 14797..14973		

Seq. No.	43064	Seq. ID	OJ000450_04.0410.C5
Gene No.	90158	Strand	-
Start	20247	End	20701
Name	OJ000450_04.0410.C5.o1.tc	Method	TBLASTX:Cress
Start	4747	End	17983
GI	none	Score	58
Exons	4747..4791, 4880..4927, 5113..5202, 5387..5467, 5605..5685, 6555..6809, 6563..6805, 6565..6825, 9294..9407, 9464..9619, 9471..9578, 9474..9632, 9482..9607, 9942..10028, 10443..10535, 10445..10531, 10560..10622, 13149..13193, 13280..13327, 13799..13894, 14336..14416, 14692..15030, 14780..15034, 14780..15049, 16146..16259, 16148..16255, 16288..16461, 16316..16471, 16323..16442, 16325..16459, 16326..16484, 17143..17229, 17660..17758, 17662..17748, 17777..17839, 17915..17983		

Seq. No.	43064	Seq. ID	OJ000450_04.0410.C5
Gene No.	90158	Strand	-
Start	20247	End	20701
Name	OJ000450_04.0410.C5.o1.tw	Method	TBLASTX:Wheat
Start	5115	End	16475
GI	none	Score	98
Exons	5115..5201, 5125..5202, 5396..5455, 5404..5487, 5599..5685,		

6555..6692, 6557..6748, 6720..6806, 9303..9407, 9474..9623, 9482..9616, 13817..13894, 13819..13893, 13823..13894, 14327..14416, 14780..15031, 14782..14973, 16155..16259, 16325..16468, 16326..16475

Seq. No.	43064	Seq. ID	OJ000450_04.0410.C5
Gene No.	90158	Strand	-
Start	20247	End	20701
Name	OJ000450_04.0410.C5.o1.tm	Method	TBLASTX:Maize
Start	9372	End	17812
GI	none	Score	48
Exons	9372..9407, 9477..9614, 9924..10091, 10229..10348, 10430..10579, 10430..10579, 10431..10595, 10434..10595, 10453..10596, 16224..16259, 16329..16457, 17125..17229, 17647..17796, 17648..17812, 17651..17809		

Seq. No.	43064	Seq. ID	OJ000450_04.0410.C5
Gene No.	90158	Strand	-
Start	20247	End	20701
Name	OJ000450_04.0410.C5.o2.tw	Method	TBLASTX:Wheat
Start	9978	End	17812
GI	none	Score	68
Exons	9978..10037, 10433..10531, 10434..10535, 10545..10619, 10548..10595, 17178..17246, 17179..17238, 17650..17748, 17651..17752, 17762..17812, 17765..17809		

Seq. No.	43064	Seq. ID	OJ000450_04.0410.C5
Gene No.	90158	Strand	-
Start	20247	End	20701
Name	OJ000450_04.0410.C5.o5.gs	Method	GENSCAN
Start	20247	End	20701
GI	none	Score	.88
Exons	20247..20528, 20561..20701		

Seq. No.	43065	Seq. ID	OJ000450_04.0410.C6
Gene No.	90159	Strand	+
Start	567	End	2282
Name	OJ000450_04.0410.C6.o1.gs	Method	GENSCAN
Start	567	End	1497
GI	none	Score	.48
Exons	567..714, 1224..1294, 1468..1497		

Seq. No.	43065	Seq. ID	OJ000450_04.0410.C6
Gene No.	90159	Strand	+
Start	567	End	2282
Name	OJ000450_04.0410.C6.o2.np	Method	AAT/NAP
Start	1061	End	2282
GI	6103585	Score	167
Exons	1061..1142, 1618..1713, 1791..1849, 2075..2154, 2264..2282		
GI Descrip.	(AF149311) raucaffricine-O-beta-D-glucosidase [Rauvolfia serpentina]		

Seq. No.	43065	Seq. ID	OJ000450_04.0410.C6
Gene No.	90159	Strand	+
Start	567	End	2282
Name	OJ000450_04.0410.C6.o2.gs	Method	GENSCAN
Start	1784	End	1849

GI	none	Score	.68
Exons	1784..1849		

Seq. No.	43065	Seq. ID	OJ000450_04.0410.C6
Gene No.	90160	Strand	-
Start	1	End	1094
Name	OJ000450_04.0410.C6.o1.np	Method	AAT/NAP
Start	1	End	1094
GI	4507349	Score	131
Exons	1..850, 1024..1094		
GI Descrip.	TATA box binding protein (TBP)-associated factor, RNA polymerase II, C1, 130kD gi\|3024681\|sp\|O00268\|T2D3_HUMAN TRANSCRIPTION INITIATION FACTOR TFIID 135 KD SUBUNIT (TAFII-135) (TAFII135) (TAFII-130) (TAFII130) gi\|2058326\|emb\|CAA72189\| (Y11354) subunit of RNA polymerase II transcription factor TFIID [Homo sapiens]		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90161	Strand	+
Start	213	End	3029
Name	OJ000450_04.0410.C7.o1.gs	Method	GENSCAN
Start	213	End	668
GI	none	Score	.74
Exons	213..668		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90161	Strand	+
Start	213	End	3029
Name	OJ000450_04.0410.C7.o1.np	Method	AAT/NAP
Start	257	End	2847
GI	6979913	Score	845
Exons	257..512, 1378..1493, 1563..1784, 1936..1963, 2063..2165, 2411..2519, 2605..2847		
GI Descrip.	(AF221526) prunasin hydrolase isoform PHA precursor [Prunus serotina]		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90161	Strand	+
Start	213	End	3029
Name	OJ000450_04.0410.C7.o1.gp	Method	AAT/GAP
Start	617	End	995
GI	LIB3474-011-P1-K1-A2	Score	683
Exons	617..995		
GI Descrip.	'3128190 2.0e-17 (AC004521) putative beta-glucosidase [Arabidopsis thaliana]'		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90161	Strand	+
Start	213	End	3029
Name	OJ000450_04.0410.C7.o2.gs	Method	GENSCAN
Start	1372	End	2785
GI	none	Score	.74
Exons	1372..1493, 1563..1780, 2097..2165, 2411..2519, 2605..2785		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90161	Strand	+
Start	213	End	3029
Name	OJ000450_04.0410.C7.o2.gp	Method	AAT/GAP

Start	1592	End	2475
GI	4880915	Score	906
Exons	1592..1780, 1936..2165, 2411..2475		
GI Descrip.	3128190 2.0e-17 (AC004521) putative beta-glucosidase [Arabidopsis thaliana]		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90161	Strand	+
Start	213	End	3029
Name	OJ000450_04.0410.C7.o3.gp	Method	AAT/GAP
Start	2463	End	3029
GI	36810_1.R1084	Score	846
Exons	2463..2519, 2605..3029		
GI Descrip.	'1155255 9.0e-15 (U39228) beta-glucosidase [Prunus avium]'		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90162	Strand	+
Start	6919	End	8304
Name	OJ000450_04.0410.C7.o4.gs	Method	GENSCAN
Start	6919	End	8304
GI	none	Score	.51
Exons	6919..6931, 7802..8304		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90163	Strand	+
Start	11113	End	19521
Name	OJ000450_04.0410.C7.o6.gs	Method	GENSCAN
Start	11113	End	19521
GI	none	Score	.61
Exons	11113..11314, 11461..11594, 11707..12148, 12234..12593, 12674..12852, 12950..13217, 13285..13430, 13612..13785, 14199..14391, 14410..14616, 15049..15653, 15915..16217, 16933..19521		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90163	Strand	+
Start	11113	End	19521
Name	OJ000450_04.0410.C7.o2.np	Method	AAT/NAP
Start	12867	End	19316
GI	7463013	Score	618
Exons	12867..12963, 13077..13528, 13588..14535, 14569..14831, 15168..15426, 19171..19316		
GI Descrip.	saframycin Mx1 synthetase B - Myxococcus xanthus gi\|1171128\|gb\|AAC44128.1\| (U24657) saframycin Mx1 synthetase B [Myxococcus xanthus]		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90164	Strand	+
Start	23473	End	25656
Name	OJ000450_04.0410.C7.o4.np	Method	AAT/NAP
Start	23473	End	25656
GI	6721561	Score	1050
Exons	23473..23541, 24507..24697, 24768..24826, 24894..25656		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical		

protein [Oryza sativa]

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90165	Strand	+
Start	29387	End	44015
Name	OJ000450_04.0410.C7.o9.gs	Method	GENSCAN
Start	29387	End	32754
GI	none	Score	.88
Exons	29387..29451, 29607..29649, 30052..30223, 30260..30697, 30721..30837, 30846..31020, 31038..32754		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90165	Strand	+
Start	29387	End	44015
Name	OJ000450_04.0410.C7.o6.np	Method	AAT/NAP
Start	30331	End	44012
GI	7228457	Score	8719
Exons	30331..30697, 30759..32691, 32755..33589, 33711..34670, 34737..35653, 43379..44012		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90165	Strand	+
Start	29387	End	44015
Name	OJ000450_04.0410.C7.o12.gs	Method	GENSCAN
Start	37788	End	44015
GI	none	Score	.54
Exons	37788..39489, 39598..39770, 39846..40021, 40157..41274, 41460..41485, 42027..42540, 42635..42864, 43362..43637, 43779..44015		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90166	Strand	-
Start	27193	End	31330
Name	OJ000450_04.0410.C7.o5.np	Method	AAT/NAP
Start	27163	End	31330
GI	5902445	Score	1506
Exons	27163..28400, 28440..28999, 31310..31330		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90166	Strand	-
Start	27193	End	31330
Name	OJ000450_04.0410.C7.o8.gs	Method	GENSCAN
Start	27193	End	28968
GI	none	Score	.6
Exons	27193..27935, 28001..28069, 28071..28968		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90167	Strand	-
Start	36000	End	36859
Name	OJ000450_04.0410.C7.o11.gs	Method	GENSCAN
Start	36000	End	36859
GI	none	Score	.56
Exons	36000..36118, 36341..36458, 36821..36859		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90168	Strand	-
Start	44634	End	47749
Name	OJ000450_04.0410.C7.o13.gs	Method	GENSCAN
Start	44634	End	47749
GI	none	Score	.79
Exons	44634..46124, 46174..46438, 46488..47335, 47360..47553, 47620..47749		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90168	Strand	-
Start	44634	End	47749
Name	OJ000450_04.0410.C7.o7.np	Method	AAT/NAP
Start	44637	End	47749
GI	6907089	Score	4042
Exons	44637..46387, 46488..47749		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o3.ts	Method	TBLASTX:Soybean
Start	257	End	2770
GI	none	Score	321
Exons	257..445, 261..530, 279..512, 1375..1494, 1527..1700, 1561..1719, 1567..1761, 2066..2167, 2401..2523, 2433..2519, 2579..2770, 2602..2763		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o13.tw	Method	TBLASTX:Wheat
Start	258	End	1722
GI	none	Score	268
Exons	258..509, 260..442, 1393..1494, 1551..1706, 1555..1722		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o2.tc	Method	TBLASTX:Cress
Start	258	End	2764
GI	none	Score	277
Exons	258..512, 266..508, 288..524, 1384..1494, 1386..1493, 1531..1719, 1563..1697, 2081..2167, 2615..2707, 2617..2703, 2723..2764		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o11.tm	Method	TBLASTX:Maize
Start	261	End	512
GI	none	Score	239
Exons	261..512, 275..448, 285..512		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-

Start	48389	End	48514
Name	OJ000450_04.0410.C7.o10.tm	Method	TBLASTX:Maize
Start	1462	End	2767
GI	none	Score	42
Exons	1462..1494, 1567..1704, 2063..2230, 2401..2520, 2602..2751, 2603..2767, 2606..2764		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o16.tw	Method	TBLASTX:Wheat
Start	2117	End	2782
GI	none	Score	69
Exons	2117..2167, 2605..2703, 2606..2707, 2717..2782, 2720..2764		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o8.tm	Method	TBLASTX:Maize
Start	18870	End	19176
GI	none	Score	137
Exons	18870..18980, 18871..18981, 18960..19121, 18964..19122, 19122..19175, 19123..19176		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o8.tw	Method	TBLASTX:Wheat
Start	27173	End	44003
GI	none	Score	64
Exons	27173..27298, 27217..27303, 27328..27780, 27524..27631, 27673..27765, 43395..43685, 43427..43684, 43541..43711, 43877..43996, 43878..44003		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o15.tm	Method	TBLASTX:Maize
Start	27208	End	43967
GI	none	Score	52
Exons	27208..27291, 27242..27298, 27286..27402, 27292..27474, 43782..43883, 43871..43966, 43884..43967		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o12.tm	Method	TBLASTX:Maize
Start	27700	End	43475
GI	none	Score	222
Exons	27700..27870, 41745..42038, 43410..43475		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o10.tw	Method	TBLASTX:Wheat
Start	27802	End	35648
GI	none	Score	172

Exons	27802..28155, 27812..28054, 28100..28156, 35294..35644, 35295..35648		
Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o4.tm	Method	TBLASTX:Maize
Start	27982	End	35480
GI	none	Score	167
Exons	27982..28287, 27983..28270, 35157..35480, 35186..35467		
Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o14.tw	Method	TBLASTX:Wheat
Start	28492	End	34964
GI	none	Score	67
Exons	28492..28749, 28496..28750, 34652..34828, 34704..34964		
Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o11.tw	Method	TBLASTX:Wheat
Start	28789	End	34649
GI	none	Score	241
Exons	28789..28962, 34191..34412, 34215..34466, 34280..34465, 34500..34649, 34511..34648		
Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o7.ts	Method	TBLASTX:Soybean
Start	28789	End	34904
GI	5666795	Score	68
Exons	28789..28938, 34338..34436, 34512..34649, 34704..34904		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o16.tm	Method	TBLASTX:Maize
Start	31027	End	31275
GI	none	Score	197
Exons	31027..31275, 31029..31274		
Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o12.tw	Method	TBLASTX:Wheat
Start	31039	End	31377
GI	none	Score	116
Exons	31039..31137, 31056..31136, 31104..31343, 31120..31377		
Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o9.tw	Method	TBLASTX:Wheat

Start	32112	End	32598
GI	none	Score	399
Exons	32112..32285, 32113..32598,	32307..32567, 32332..32571	

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o2.tw	Method	TBLASTX:Wheat
Start	32763	End	40265
GI	none	Score	569
Exons	32763..33218, 32764..33225,	32764..33219, 40062..40265	

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o8.ts	Method	TBLASTX:Soybean
Start	32803	End	40226
GI	none	Score	116
Exons	32803..33027, 33034..33168,	40092..40226	

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o3.tm	Method	TBLASTX:Maize
Start	32980	End	40451
GI	none	Score	191
Exons	32980..33393, 39984..40451,	40059..40418, 40196..40450	

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o2.ts	Method	TBLASTX:Soybean
Start	33304	End	40733
GI	none	Score	114
Exons	33304..33588, 33594..33674,	40374..40733, 40382..40720	

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o6.tw	Method	TBLASTX:Wheat
Start	33333	End	40811
GI	none	Score	301
Exons	33333..33593, 33334..33594,	33372..33668, 33433..33594,	
	33597..33752, 33605..33727,	40395..40811	

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o2.tm	Method	TBLASTX:Maize
Start	33412	End	40997
GI	none	Score	92
Exons	33412..33588, 33588..33755,	40494..40997, 40535..40915	

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o4.tw	Method	TBLASTX:Wheat

Start	38223	End	38800
GI	none	Score	201
Exons	38223..38429, 38240..38431, 38241..38429, 38299..38430, 38430..38792, 38435..38800, 38436..38792, 38632..38793		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o7.tm	Method	TBLASTX:Maize
Start	38225	End	38462
GI	none	Score	64
Exons	38225..38344, 38226..38423, 38235..38462, 38237..38461		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o5.ts	Method	TBLASTX:Soybean
Start	38270	End	38666
GI	none	Score	131
Exons	38270..38404, 38271..38405, 38445..38666, 38465..38653		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o5.tw	Method	TBLASTX:Wheat
Start	39150	End	39632
GI	none	Score	340
Exons	39150..39425, 39162..39419, 39170..39424, 39438..39632, 39443..39604		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o4.ts	Method	TBLASTX:Soybean
Start	39390	End	39632
GI	none	Score	285
Exons	39390..39632, 39392..39586, 39396..39626		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o6.tm	Method	TBLASTX:Maize
Start	39390	End	39635
GI	none	Score	294
Exons	39390..39635, 39392..39601, 39396..39626		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o15.tw	Method	TBLASTX:Wheat
Start	39686	End	39869
GI	none	Score	183
Exons	39686..39865, 39687..39869		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514

Name	OJ000450_04.0410.C7.o9.tm	Method	TBLASTX:Maize
Start	39708	End	39959
GI	none	Score	67
Exons	39708..39803, 39816..39959, 39818..39958		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o1.ts	Method	TBLASTX:Soybean
Start	40757	End	41014
GI	none	Score	346
Exons	40757..41014, 40758..41012, 40826..41014		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o1.tw	Method	TBLASTX:Wheat
Start	40934	End	41361
GI	none	Score	713
Exons	40934..41359, 40935..41360, 41284..41361		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o6.ts	Method	TBLASTX:Soybean
Start	41019	End	41218
GI	none	Score	161
Exons	41019..41123, 41033..41131, 41127..41213, 41129..41218		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o14.tm	Method	TBLASTX:Maize
Start	41139	End	41314
GI	none	Score	212
Exons	41139..41309, 41139..41303, 41141..41314		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o1.tc	Method	TBLASTX:Cress
Start	41310	End	41675
GI	none	Score	441
Exons	41310..41675, 41382..41672, 41459..41674		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o1.tm	Method	TBLASTX:Maize
Start	41394	End	41742
GI	none	Score	506
Exons	41394..41738, 41397..41735, 41404..41742, 41426..41737		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o7.tw	Method	TBLASTX:Wheat

Start	41487	End	41846
GI	none	Score	417
Exons	41487..41846, 41491..41580, 41492..41836		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o3.tw	Method	TBLASTX:Wheat
Start	41877	End	42275
GI	none	Score	562
Exons	41877..42275, 41878..42264, 41879..42265		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o5.tm	Method	TBLASTX:Maize
Start	42042	End	42316
GI	none	Score	351
Exons	42042..42314, 42044..42316, 42076..42315		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o13.tm	Method	TBLASTX:Maize
Start	42318	End	42565
GI	none	Score	219
Exons	42318..42506, 42322..42480, 42354..42494, 42519..42557, 42521..42565		

Seq. No.	43066	Seq. ID	OJ000450_04.0410.C7
Gene No.	90169	Strand	-
Start	48389	End	48514
Name	OJ000450_04.0410.C7.o8.np	Method	AAT/NAP
Start	48389	End	48514
GI	7523512	Score	190
Exons	48389..48514		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90170	Strand	+
Start	5394	End	16730
Name	OJ000450_04.0410.C8.o2.gs	Method	GENSCAN
Start	5394	End	16730
GI	none	Score	.56
Exons	5394..5458, 6327..6641, 6679..6785, 7833..8014, 8106..8208, 9467..9749, 11795..11915, 13263..13419, 16291..16343, 16590..16730		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90170	Strand	+
Start	5394	End	16730
Name	OJ000450_04.0410.C8.o3.np	Method	AAT/NAP
Start	6331	End	8258
GI	7109467	Score	678
Exons	6331..6581, 6679..6785, 7833..8014, 8106..8258		
GI Descrip.	(AC016662) putative 60S ribosomal protein L6 [Arabidopsis thaliana]		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90170	Strand	+
Start	5394	End	16730
Name	OJ000450_04.0410.C8.o1.gp	Method	AAT/GAP
Start	6418	End	6786
GI	2800914	Score	390
Exons	6418..6581, 6679..6786		
GI Descrip.	4158227/emb\|AJ132110\|OCU132110 1.0e-14 Oryctolagus cuniculus mRNA for epithelial sodium channel, gamma subunit		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90170	Strand	+
Start	5394	End	16730
Name	OJ000450_04.0410.C8.o2.gp	Method	AAT/GAP
Start	6758	End	8471
GI	18112_3.R1084	Score	1112
Exons	6758..6785, 7833..8014, 8106..8471		
GI Descrip.	'464621/sp\|P34091\|RL6_MESCR 6.0e-45 60S RIBOSOMAL PROTEIN L6 (YL16-LIKE) >gi_280374_pir__S28586 ribosomal protein ML16 - common ice plant >gi_19539_emb_CAA49175_ (X69378) ribosomal protein YL16 [Mesembryanthemum crystallinum]'		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90170	Strand	+
Start	5394	End	16730
Name	OJ000450_04.0410.C8.o4.np	Method	AAT/NAP
Start	7209	End	13750
GI	133446	Score	687
Exons	7209..7240, 9692..10122, 10284..10358, 13718..13750		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA" CHAIN gi\|66986\|pir\|\|RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta'-2 chain - rice chloroplast gi\|11973\|emb\|CAA33988\| (X15901) RNA polymerase beta' subunit-2 [Oryza sativa]		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90170	Strand	+
Start	5394	End	16730
Name	OJ000450_04.0410.C8.o5.np	Method	AAT/NAP
Start	10400	End	12454
GI	131294	Score	1048
Exons	10400..11076, 12391..12454		
GI Descrip.	PHOTOSYSTEM II D2 PROTEIN (PHOTOSYSTEM Q(A) PROTEIN) gi\|72665\|pir\|\|F2RZD2 photosystem II protein D2 - rice chloroplast gi\|11964\|emb\|CAA34013\| (X15901) PSII D2 protein [Oryza sativa] gi\|226682\|prf\|\|1603356G photosystem II D2 protein [Oryza sativa]		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90170	Strand	+
Start	5394	End	16730
Name	OJ000450_04.0410.C8.o5.gp	Method	AAT/GAP
Start	11759	End	11931
GI	1629_2.R1084	Score	289
Exons	11759..11931		
GI Descrip.	'1245217/gb\|U49840\|OSU49840 1.0e-170 Oryza sativa subsp. indica large ribosomal RNA gene, chloroplast gene encoding chloroplast		

rRNA, partial sequence'

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90170	Strand	+
Start	5394	End	16730
Name	OJ000450_04.0410.C8.o6.np	Method	AAT/NAP
Start	13132	End	14612
GI	132862	Score	1362
Exons	13132..13521, 14185..14612		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L2 gi\|71088\|pir\|\|R5RZ2 ribosomal protein L2 - rice chloroplast		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90170	Strand	+
Start	5394	End	16730
Name	OJ000450_04.0410.C8.o7.np	Method	AAT/NAP
Start	14632	End	14877
GI	82538	Score	427
Exons	14632..14877		
GI Descrip.	hypothetical 9K protein (rps19-rpl2 intergenic region) - rice chloroplast gi\|12028\|emb\|CAA33936\| (X15901) ORF82 [Oryza sativa] gi\|12074\|emb\|CAA33926\| (X15901) ORF82 [Oryza sativa] gi\|226650\|prf\|\|1603356CA ORF 82 [Oryza sativa]		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90170	Strand	+
Start	5394	End	16730
Name	OJ000450_04.0410.C8.o8.np	Method	AAT/NAP
Start	14877	End	15155
GI	1213601	Score	478
Exons	14877..15155		
GI Descrip.	(X15901) ribosomal protein S19 [Oryza sativa] gi\|226648\|prf\|\|1603356BY ribosomal protein S19 [Oryza sativa]		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90171	Strand	-
Start	1	End	5000
Name	OJ000450_04.0410.C8.o1.np	Method	AAT/NAP
Start	1	End	5000
GI	7228457	Score	1801
Exons	1..42, 707..862, 986..1876, 1931..3487, 4824..5000		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90171	Strand	-
Start	1	End	5000
Name	OJ000450_04.0410.C8.o1.gs	Method	GENSCAN
Start	299	End	4882
GI	none	Score	.73
Exons	299..1753, 1922..2233, 2364..2690, 2771..3298, 3311..4236, 4438..4882		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90172	Strand	-
Start	4929	End	5433

Name	OJ000450_04.0410.C8.o2.np	Method	AAT/NAP
Start	4929	End	5433
GI	7523517	Score	261
Exons	4929..4976, 5127..5433		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90173	Strand	-
Start	8732	End	9693
Name	OJ000450_04.0410.C8.o3.gp	Method	AAT/GAP
Start	8732	End	9693
GI	2409_1.R1084	Score	1679
Exons	8732..9693		
GI Descrip.	'128690/sp\|P12126\|NU3C_ORYSA 2.0e-56 NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 3, CHLOROPLAST >gi_66161_pir__DERZN3 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 3 - rice chloroplast >gi_11989_emb_CAA34001_ (X15901) ndhC; NADH dehydrogenase ND3 [Oryza sativa] >gi_226610_prf__1603356AG NADH dehydrogenase ND3 [Oryza sativa]'		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90174	Strand	-
Start	9812	End	9892
Name	OJ000450_04.0410.C8.o4.gp	Method	AAT/GAP
Start	9812	End	9892
GI	LIB3432-013-P1-K1-E3	Score	133
Exons	9812..9892		
GI Descrip.	'133446/sp\|P12093\|RPOD_ORYSA 3.0e-09 DNA-DIRECTED RNA POLYMERASE BETA" CHAIN >gi_66986_pir__RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta''-2 chain - rice chloroplast >gi_11973_emb_CAA33988_ (X15901) RNA polymerase beta'' subunit-2 [Oryza sativa]'		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90175	Strand	-
Start	14777	End	15201
Name	OJ000450_04.0410.C8.o6.gp	Method	AAT/GAP
Start	14777	End	15201
GI	3073_1.R1084	Score	806
Exons	14777..15201		
GI Descrip.	'133936/sp\|P12146\|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o10.tw	Method	TBLASTX:Wheat
Start	494	End	740
GI	none	Score	67
Exons	494..739, 509..739, 510..740		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677

Name	OJ000450_04.0410.C8.o6.ts	Method	TBLASTX:Soybean
Start	749	End	1174
GI	none	Score	35
Exons	749..1174, 906..938, 990..1115		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o4.tw	Method	TBLASTX:Wheat
Start	804	End	1228
GI	none	Score	219
Exons	804..1118, 806..1228, 839..1225		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o8.tm	Method	TBLASTX:Maize
Start	902	End	1285
GI	none	Score	82
Exons	902..1285, 903..1118, 1070..1285		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o7.tm	Method	TBLASTX:Maize
Start	1313	End	1669
GI	none	Score	229
Exons	1313..1669, 1326..1607, 1367..1615		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o2.tw	Method	TBLASTX:Wheat
Start	1343	End	1799
GI	none	Score	373
Exons	1343..1798, 1344..1799		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o7.ts	Method	TBLASTX:Soybean
Start	1394	End	1759
GI	none	Score	106
Exons	1394..1528, 1535..1759		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o7.tw	Method	TBLASTX:Wheat
Start	1948	End	2447
GI	none	Score	38
Exons	1948..2001, 1991..2227, 2001..2066, 2006..2215, 2109..2225, 2319..2447, 2338..2439		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677

Name	OJ000450_04.0410.C8.o9.tw	Method	TBLASTX:Wheat
Start	3029	End	3427
GI	none	Score	61
Exons	3029..3427, 3159..3299, 3375..3413		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o10.tm	Method	TBLASTX:Maize
Start	3191	End	3430
GI	none	Score	186
Exons	3191..3430		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o6.tm	Method	TBLASTX:Maize
Start	6369	End	8261
GI	none	Score	135
Exons	6369..6458, 6373..6459, 6526..6585, 6664..6774, 6676..6786, 6677..6787, 7826..8020, 7828..7971, 7875..8036, 8105..8260, 8105..8260, 8106..8261		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o4.ts	Method	TBLASTX:Soybean
Start	6373	End	8263
GI	none	Score	103
Exons	6373..6459, 6384..6458, 6526..6579, 6671..6787, 6685..6786, 7826..8023, 7831..7971, 8111..8263, 8118..8261		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o5.tc	Method	TBLASTX:Cress
Start	6376	End	8270
GI	none	Score	103
Exons	6376..6459, 6384..6458, 6526..6585, 6677..6787, 6685..6786, 7826..8014, 7831..7971, 7878..8015, 8112..8270, 8120..8263		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o5.tw	Method	TBLASTX:Wheat
Start	7910	End	8389
GI	none	Score	145
Exons	7910..8014, 7910..7960, 7918..7974, 7921..8016, 8105..8269, 8106..8270, 8317..8388, 8339..8389		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o3.tm	Method	TBLASTX:Maize
Start	8759	End	9698
GI	none	Score	90
Exons	8759..8860, 8761..8838, 8761..8862, 8769..8867, 8834..8881,		

8835..8882, 8839..8883, 8839..8886, 8877..8921, 8888..8950,
8888..8935, 8890..8952, 8982..9005, 8983..9009, 9002..9055,
9003..9050, 9026..9055, 9085..9267, 9086..9268, 9111..9269,
9112..9273, 9269..9421, 9270..9476, 9270..9698, 9493..9693

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o6.tc	Method	TBLASTX:Cress
Start	9369	End	9698
GI	none	Score	101
Exons	9369..9698, 9371..9436, 9493..9693		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o5.ts	Method	TBLASTX:Soybean
Start	9429	End	9698
GI	none	Score	49
Exons	9429..9470, 9429..9698, 9493..9693		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o8.ts	Method	TBLASTX:Soybean
Start	9698	End	10095
GI	none	Score	62
Exons	9698..9799, 9703..9798, 9705..9800, 9806..9955, 9807..9983, 9813..9956, 9814..10017, 9925..10095, 9950..10093, 9966..10094		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o10.tc	Method	TBLASTX:Cress
Start	9699	End	10085
GI	none	Score	58
Exons	9699..9767, 9699..9788, 9700..9807, 9803..10042, 9829..10083, 9870..10085, 9894..10076		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o6.tw	Method	TBLASTX:Wheat
Start	10131	End	10462
GI	none	Score	60
Exons	10131..10187, 10141..10188, 10145..10189, 10146..10190, 10177..10203, 10182..10217, 10188..10310, 10189..10314, 10190..10315, 10313..10330, 10342..10458, 10346..10462, 10346..10462		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o2.ts	Method	TBLASTX:Soybean
Start	10340	End	11030
GI	none	Score	518
Exons	10340..10708, 10350..10667, 10354..10668, 10658..10984,		

10659..11030, 10659..11012, 10672..11019

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o4.tc	Method	TBLASTX:Cress
Start	10402	End	10772
GI	none	Score	443
Exons	10402..10668, 10403..10708, 10658..10771, 10659..10772, 10665..10772		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o5.tm	Method	TBLASTX:Maize
Start	10707	End	11030
GI	none	Score	525
Exons	10707..11018, 10713..11030		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o8.tc	Method	TBLASTX:Cress
Start	10856	End	11030
GI	none	Score	175
Exons	10856..11020, 10856..10984, 10857..11012, 10860..11030		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o11.tc	Method	TBLASTX:Cress
Start	11408	End	11568
GI	none	Score	71
Exons	11408..11461, 11419..11460, 11423..11461, 11442..11567, 11443..11568		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o9.tc	Method	TBLASTX:Cress
Start	11758	End	11932
GI	none	Score	245
Exons	11758..11889, 11759..11899, 11760..11903, 11831..11905, 11890..11931, 11891..11932		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o9.tm	Method	TBLASTX:Maize
Start	11758	End	11932
GI	none	Score	289
Exons	11758..11931, 11759..11932		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o7.tc	Method	TBLASTX:Cress

Start	11989	End	12397
GI	none	Score	111
Exons	11989..12120, 12031..12111, 12032..12145, 12038..12118, 12095..12208, 12121..12207, 12122..12208, 12123..12218, 12203..12352, 12205..12351, 12205..12366, 12353..12397, 12358..12393		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o8.tw	Method	TBLASTX:Wheat
Start	12551	End	12779
GI	none	Score	221
Exons	12551..12697, 12551..12712, 12718..12777, 12719..12778, 12720..12779, 12726..12779		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o1.tc	Method	TBLASTX:Cress
Start	12629	End	13844
GI	none	Score	99
Exons	12629..12697, 12629..12712, 12637..12717, 12718..12792, 12719..12814, 12720..12806, 12726..12824, 12811..13290, 12811..13290, 13277..13522, 13278..13520, 13316..13525, 13317..13523, 13529..13648, 13533..13649, 13636..13767, 13647..13844, 13649..13843		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o2.tm	Method	TBLASTX:Maize
Start	12749	End	13525
GI	none	Score	762
Exons	12749..13270, 12750..13262, 12751..13275, 12751..13290, 13261..13521, 13272..13520, 13316..13525, 13317..13523		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o1.tw	Method	TBLASTX:Wheat
Start	12780	End	13155
GI	none	Score	561
Exons	12780..13154, 12781..13155, 12781..13155		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o3.ts	Method	TBLASTX:Soybean
Start	12817	End	13393
GI	none	Score	611
Exons	12817..13290, 12823..13290, 13279..13389, 13279..13389, 13316..13393, 13317..13391		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677

Name	OJ000450_04.0410.C8.o1.ts	Method	TBLASTX:Soybean
Start	13394	End	15126
GI	none	Score	454
Exons	13394..13789, 13489..13767, 13767..13844, 13768..13845, 13847..14026, 13849..14106, 13851..14027, 14029..14070, 14030..14071, 14032..14178, 14065..14163, 14149..14247, 14150..14347, 14165..14374, 14309..14605, 14318..14554, 14319..14609, 14319..14663, 14320..14610, 14858..14884, 14858..14896, 14888..15112, 14889..15122, 14974..15126		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o1.tm	Method	TBLASTX:Maize
Start	13749	End	14578
GI	none	Score	218
Exons	13749..14120, 13754..14554, 13755..13895, 13756..14577, 13757..14578		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o3.tc	Method	TBLASTX:Cress
Start	14099	End	14987
GI	none	Score	274
Exons	14099..14416, 14179..14247, 14180..14428, 14184..14423, 14185..14424, 14438..14554, 14439..14609, 14442..14609, 14444..14611, 14669..14695, 14669..14695, 14671..14748, 14681..14746, 14691..14747, 14698..14748, 14699..14749, 14889..14987, 14895..14984		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o3.tw	Method	TBLASTX:Wheat
Start	14131	End	14439
GI	none	Score	457
Exons	14131..14439, 14131..14247, 14132..14437, 14163..14438		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o4.tm	Method	TBLASTX:Maize
Start	14760	End	15194
GI	none	Score	155
Exons	14760..14849, 14761..14862, 14801..14890, 14805..14864, 14851..14925, 14851..14919, 14855..15154, 14856..15194, 14895..15155, 14971..15159		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o7.gp	Method	AAT/GAP
Start	15215	End	15578
GI	5455469	Score	654
Exons	15215..15578		
GI Descrip.	131251/sp\|P12094\|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32		

KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o2.tc	Method	TBLASTX:Cress
Start	15252	End	15620
GI	none	Score	385
Exons	15252..15620, 15270..15620		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90176	Strand	-
Start	15215	End	15677
Name	OJ000450_04.0410.C8.o9.np	Method	AAT/NAP
Start	15273	End	15677
GI	131251	Score	666
Exons	15273..15677		
GI Descrip.	PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) gi\|72661\|pir\|\|FMRZ32 photosystem II protein D1 precursor - rice chloroplast gi\|11958\|emb\|CAA34007\| (X15901) PSII 32kDa protein [Oryza sativa] gi\|343212 (M36191) Q-B protein (psbA) [Oryza sativa] gi\|226249\|prf\|\|1503143A psbA gene [Oryza sativa] gi\|226406\|prf\|\|1510376A quinone bind		

Seq. No.	43067	Seq. ID	OJ000450_04.0410.C8
Gene No.	90177	Strand	
Start	15731	End	15849
Name	OJ000450_04.0410.C8.o9.ts	Method	TBLASTX:Soybean
Start	15731	End	15849
GI	none	Score	185
Exons	15731..15841, 15731..15841, 15733..15849, 15733..15843		

Seq. No.	43068	Seq. ID	OJ000450_04.0410.C9
Gene No.	90178	Strand	+
Start	473	End	3936
Name	OJ000450_04.0410.C9.o1.np	Method	AAT/NAP
Start	473	End	3936
GI	128657	Score	1812
Exons	473..645, 2050..2471, 3184..3936		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 2, CHLOROPLAST gi\|66149\|pir\|\|DERZN2 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 2 - rice chloroplast gi\|669085\|emb\|CAA33941\| (X15901) NADH dehydrogenase ND2 [Oryza sativa] gi\|669089\|emb\|CAA33920\| (X15901) NADH dehydrogenase ND2 [Oryza sativa] gi\|226656\|prf\|\|1603356CG NADH dehydrogenase ND2 [Oryza sativa]		

Seq. No.	43068	Seq. ID	OJ000450_04.0410.C9
Gene No.	90178	Strand	+
Start	473	End	3936
Name	OJ000450_04.0410.C9.o2.gp	Method	AAT/GAP
Start	1017	End	1398

GI	uC-osflcyp033a04b1	Score	699
Exons	1017..1398		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	43068	Seq. ID	OJ000450_04.0410.C9
Gene No.	90179	Strand	+
Start	5231	End	5506
Name	OJ000450_04.0410.C9.o3.gp	Method	AAT/GAP
Start	5231	End	5506
GI	LIB3474-003-P1-K1-F1	Score	503
Exons	5231..5506		
GI Descrip.	'114521/sp\|P12084\|ATPA_ORYSA 1.0e-78 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]'		

Seq. No.	43068	Seq. ID	OJ000450_04.0410.C9
Gene No.	90180	Strand	+
Start	5675	End	5932
Name	OJ000450_04.0410.C9.o3.np	Method	AAT/NAP
Start	5675	End	5932
GI	133806	Score	336
Exons	5675..5932		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S16 gi\|282999\|pir\|\|S28766 ribosomal protein S16 - barley chloroplast gi\|11603\|emb\|CAA36973\| (X52765) ribosomal protein rps16 [Hordeum vulgare]		

Seq. No.	43068	Seq. ID	OJ000450_04.0410.C9
Gene No.	90181	Strand	+
Start	6502	End	6769
Name	OJ000450_04.0410.C9.o5.gp	Method	AAT/GAP
Start	6502	End	6769
GI	40596_1.R1084	Score	445
Exons	6502..6769		
GI Descrip.	'11957/emb\|X15901\|CHOSXX 1.0e-104 Rice complete chloroplast genome'		

Seq. No.	43068	Seq. ID	OJ000450_04.0410.C9
Gene No.	90182	Strand	+
Start	7266	End	8092
Name	OJ000450_04.0410.C9.o4.np	Method	AAT/NAP
Start	7266	End	8092
GI	226689	Score	1197
Exons	7266..8092		
GI Descrip.	RNA polymerase beta [Oryza sativa]		

Seq. No.	43068	Seq. ID	OJ000450_04.0410.C9
Gene No.	90183	Strand	-
Start	3501	End	5031
Name	OJ000450_04.0410.C9.o2.np	Method	AAT/NAP
Start	3501	End	5031
GI	82523	Score	901
Exons	3501..3618, 4414..5031		
GI Descrip.	hypothetical 29K protein (trnH-trnV intergenic region) - rice		

chloroplast gi|12034|emb|CAA33940| (X15901) ORF249 [Oryza sativa] gi|12068|emb|CAA33921| (X15901) ORF249 [Oryza sativa] gi|226655|prf||1603356CF ORF 249 [Oryza sativa]

Seq. No.	43068	Seq. ID	OJ000450_04.0410.C9
Gene No.	90184	Strand	-
Start	5697	End	5908
Name	OJ000450_04.0410.C9.o4.gp	Method	AAT/GAP
Start	5697	End	5908
GI	uC-osflcyp086a01a1	Score	361
Exons	5697..5908		
GI Descrip.	'133806/sp\|P25875\|RR16_HORVU 5.0e-37 CHLOROPLAST 30S RIBOSOMAL PROTEIN S16 >gi_282999_pir__S28766 ribosomal protein S16 - barley chloroplast >gi_11603_emb_CAA36973_ (X52765) ribosomal protein rps16 [Hordeum vulgare]'		

Seq. No.	43068	Seq. ID	OJ000450_04.0410.C9
Gene No.	90185	Strand	-
Start	7847	End	7974
Name	OJ000450_04.0410.C9.o5.ts	Method	TBLASTX:Soybean
Start	2037	End	2252
GI	none	Score	247
Exons	2037..2252, 2056..2250		

Seq. No.	43068	Seq. ID	OJ000450_04.0410.C9
Gene No.	90185	Strand	-
Start	7847	End	7974
Name	OJ000450_04.0410.C9.o1.ts	Method	TBLASTX:Soybean
Start	3457	End	3950
GI	none	Score	659
Exons	3457..3792, 3459..3938, 3459..3950, 3542..3940		

Seq. No.	43068	Seq. ID	OJ000450_04.0410.C9
Gene No.	90185	Strand	-
Start	7847	End	7974
Name	OJ000450_04.0410.C9.o1.tw	Method	TBLASTX:Wheat
Start	3746	End	4231
GI	none	Score	318
Exons	3746..3979, 3747..3986, 3747..3986, 3933..4025, 3975..4025, 3976..4026, 3985..4026, 4011..4079, 4024..4089, 4037..4114, 4037..4078, 4039..4116, 4041..4121, 4043..4105, 4096..4152, 4096..4152, 4154..4231, 4154..4231		

Seq. No.	43068	Seq. ID	OJ000450_04.0410.C9
Gene No.	90185	Strand	-
Start	7847	End	7974
Name	OJ000450_04.0410.C9.o2.tm	Method	TBLASTX:Maize
Start	5012	End	5360
GI	none	Score	86
Exons	5012..5098, 5048..5110, 5049..5150, 5072..5206, 5083..5220, 5086..5253, 5130..5273, 5196..5255, 5224..5256, 5250..5282, 5265..5360, 5276..5359, 5280..5360		

Seq. No.	43068	Seq. ID	OJ000450_04.0410.C9
Gene No.	90185	Strand	-
Start	7847	End	7974
Name	OJ000450_04.0410.C9.o4.ts	Method	TBLASTX:Soybean

Start	5082	End	5914
GI	none	Score	46
Exons	5082..5120, 5083..5121, 5140..5226, 5140..5247, 5365..5397, 5400..5450, 5401..5442, 5446..5490, 5691..5891, 5696..5914, 5696..5890, 5698..5913		

Seq. No.	43068	Seq. ID	OJ000450_04.0410.C9
Gene No.	90185	Strand	-
Start	7847	End	7974
Name	OJ000450_04.0410.C9.o3.tm	Method	TBLASTX:Maize
Start	6143	End	6517
GI	none	Score	65
Exons	6143..6196, 6193..6288, 6193..6252, 6194..6289, 6201..6299, 6279..6323, 6317..6397, 6318..6380, 6321..6398, 6322..6381, 6371..6409, 6382..6420, 6385..6423, 6412..6474, 6419..6478, 6437..6475, 6474..6515, 6478..6516, 6479..6517		

Seq. No.	43068	Seq. ID	OJ000450_04.0410.C9
Gene No.	90185	Strand	-
Start	7847	End	7974
Name	OJ000450_04.0410.C9.o2.tc	Method	TBLASTX:Cress
Start	6483	End	7029
GI	none	Score	157
Exons	6483..6632, 6491..6634, 6492..6632, 6621..6662, 6623..6661, 6683..6730, 6712..6825, 6737..6829, 6749..6835, 6753..6836, 6753..6845, 6754..6891, 6929..6964, 6930..6974, 6934..6975, 6937..6975, 6942..7019, 6977..7024, 6979..7029		

Seq. No.	43068	Seq. ID	OJ000450_04.0410.C9
Gene No.	90185	Strand	-
Start	7847	End	7974
Name	OJ000450_04.0410.C9.o1.tm	Method	TBLASTX:Maize
Start	6518	End	6777
GI	none	Score	233
Exons	6518..6667, 6519..6695, 6519..6680, 6663..6755, 6673..6765, 6749..6775, 6749..6772, 6754..6777		

Seq. No.	43068	Seq. ID	OJ000450_04.0410.C9
Gene No.	90185	Strand	-
Start	7847	End	7974
Name	OJ000450_04.0410.C9.o4.tm	Method	TBLASTX:Maize
Start	6925	End	7158
GI	none	Score	114
Exons	6925..7008, 6932..7006, 6986..7030, 7004..7030, 7006..7101, 7013..7105, 7017..7106, 7024..7113, 7125..7157, 7125..7157, 7126..7158, 7126..7158		

Seq. No.	43068	Seq. ID	OJ000450_04.0410.C9
Gene No.	90185	Strand	-
Start	7847	End	7974
Name	OJ000450_04.0410.C9.o3.tc	Method	TBLASTX:Cress
Start	7266	End	7524
GI	none	Score	170
Exons	7266..7517, 7268..7522, 7281..7523, 7285..7524		

Seq. No.	43068	Seq. ID	OJ000450_04.0410.C9
Gene No.	90185	Strand	-

Start	7847	End	7974
Name	OJ000450_04.0410.C9.o3.ts	Method	TBLASTX:Soybean
Start	7266	End	7521
GI	none	Score	280
Exons	7266..7520, 7269..7520, 7279..7521		

Seq. No.	43068	Seq. ID	OJ000450_04.0410.C9
Gene No.	90185	Strand	-
Start	7847	End	7974
Name	OJ000450_04.0410.C9.o2.ts	Method	TBLASTX:Soybean
Start	7619	End	7974
GI	none	Score	217
Exons	7619..7798, 7627..7779, 7629..7799, 7642..7809, 7761..7943, 7775..7942, 7776..7943, 7780..7965, 7936..7974		

Seq. No.	43068	Seq. ID	OJ000450_04.0410.C9
Gene No.	90185	Strand	-
Start	7847	End	7974
Name	OJ000450_04.0410.C9.o1.tc	Method	TBLASTX:Cress
Start	7694	End	7905
GI	none	Score	197
Exons	7694..7903, 7710..7904, 7710..7904, 7711..7905		

Seq. No.	43068	Seq. ID	OJ000450_04.0410.C9
Gene No.	90185	Strand	-
Start	7847	End	7974
Name	OJ000450_04.0410.C9.o2.gs	Method	GENSCAN
Start	7847	End	7942
GI	none	Score	.49
Exons	7847..7942		

Seq. No.	43069	Seq. ID	OJ000450_07.0411.C2
Gene No.	90186	Strand	+
Start	677	End	2532
Name	OJ000450_07.0411.C2.o1.gs	Method	GENSCAN
Start	677	End	2532
GI	none	Score	.54
Exons	677..748, 1040..1217, 2477..2532		

Seq. No.	43069	Seq. ID	OJ000450_07.0411.C2
Gene No.	90187	Strand	+
Start	3405	End	3649
Name	OJ000450_07.0411.C2.o2.np	Method	AAT/NAP
Start	3405	End	3649
GI	7340924	Score	66
Exons	3405..3649		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	43069	Seq. ID	OJ000450_07.0411.C2
Gene No.	90188	Strand	+
Start	5328	End	18819
Name	OJ000450_07.0411.C2.o4.np	Method	AAT/NAP
Start	5328	End	18819
GI	3980411	Score	176
Exons	5328..5482, 8934..9042, 13379..13511, 13629..13706, 13806..13940, 15804..15945, 17017..17409, 18761..18819		
GI Descrip.	(AC004561) putative proline-rich protein [Arabidopsis thaliana]		

Seq. No.	43069	Seq. ID	OJ000450_07.0411.C2
Gene No.	90188	Strand	+
Start	5328	End	18819
Name	OJ000450_07.0411.C2.o3.gs	Method	GENSCAN
Start	10376	End	11871
GI	none	Score	.85
Exons	10376..10849, 10975..11052, 11208..11271, 11387..11517, 11620..11871		

Seq. No.	43069	Seq. ID	OJ000450_07.0411.C2
Gene No.	90188	Strand	+
Start	5328	End	18819
Name	OJ000450_07.0411.C2.o1.gp	Method	AAT/GAP
Start	15409	End	15517
GI	184_1.R1084	Score	164
Exons	15409..15517		
GI Descrip.	'5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	43069	Seq. ID	OJ000450_07.0411.C2
Gene No.	90189	Strand	-
Start	1162	End	9947
Name	OJ000450_07.0411.C2.o3.np	Method	AAT/NAP
Start	1162	End	3799
GI	4539658	Score	67
Exons	1162..1180, 3667..3799		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	43069	Seq. ID	OJ000450_07.0411.C2
Gene No.	90189	Strand	-
Start	1162	End	9947
Name	OJ000450_07.0411.C2.o2.gs	Method	GENSCAN
Start	2927	End	9947
GI	none	Score	.56
Exons	2927..3022, 4069..4182, 4554..4634, 4703..4828, 6735..6848, 7793..7914, 7988..8106, 8383..8471, 9048..9389, 9891..9947		

Seq. No.	43069	Seq. ID	OJ000450_07.0411.C2
Gene No.	90190	Strand	-
Start	16924	End	17550
Name	OJ000450_07.0411.C2.o3.tw	Method	TBLASTX:Wheat
Start	3	End	258
GI	none	Score	63
Exons	3..65, 70..258, 84..248		

Seq. No.	43069	Seq. ID	OJ000450_07.0411.C2
Gene No.	90190	Strand	-
Start	16924	End	17550
Name	OJ000450_07.0411.C2.o5.tm	Method	TBLASTX:Maize
Start	276	End	446
GI	none	Score	185
Exons	276..446, 289..438		

Seq. No.	43069	Seq. ID	OJ000450_07.0411.C2

Gene No.	90190	Strand	-
Start	16924	End	17550
Name	OJ000450_07.0411.C2.o1.tm	Method	TBLASTX:Maize
Start	536	End	1447
GI	none	Score	672
Exons	536..1324, 559..861, 575..934, 901..1158, 1301..1447		

Seq. No.	43069	Seq. ID	OJ000450_07.0411.C2
Gene No.	90190	Strand	-
Start	16924	End	17550
Name	OJ000450_07.0411.C2.o2.tw	Method	TBLASTX:Wheat
Start	587	End	898
GI	none	Score	307
Exons	587..898, 622..861		

Seq. No.	43069	Seq. ID	OJ000450_07.0411.C2
Gene No.	90190	Strand	-
Start	16924	End	17550
Name	OJ000450_07.0411.C2.o5.tw	Method	TBLASTX:Wheat
Start	899	End	1174
GI	none	Score	90
Exons	899..1012, 901..945, 1022..1174		

Seq. No.	43069	Seq. ID	OJ000450_07.0411.C2
Gene No.	90190	Strand	-
Start	16924	End	17550
Name	OJ000450_07.0411.C2.o1.ts	Method	TBLASTX:Soybean
Start	1103	End	1626
GI	none	Score	102
Exons	1103..1327, 1295..1420, 1441..1626		

Seq. No.	43069	Seq. ID	OJ000450_07.0411.C2
Gene No.	90190	Strand	-
Start	16924	End	17550
Name	OJ000450_07.0411.C2.o4.tw	Method	TBLASTX:Wheat
Start	1328	End	1798
GI	none	Score	90
Exons	1328..1447, 1414..1623, 1700..1798		

Seq. No.	43069	Seq. ID	OJ000450_07.0411.C2
Gene No.	90190	Strand	-
Start	16924	End	17550
Name	OJ000450_07.0411.C2.o4.tm	Method	TBLASTX:Maize
Start	1453	End	1647
GI	none	Score	187
Exons	1453..1647, 1464..1637		

Seq. No.	43069	Seq. ID	OJ000450_07.0411.C2
Gene No.	90190	Strand	-
Start	16924	End	17550
Name	OJ000450_07.0411.C2.o2.tm	Method	TBLASTX:Maize
Start	1667	End	2167
GI	none	Score	324
Exons	1667..1915, 1696..1926, 1697..2068, 2081..2167		

Seq. No.	43069	Seq. ID	OJ000450_07.0411.C2
Gene No.	90190	Strand	-

Start	16924	End	17550
Name	OJ000450_07.0411.C2.o1.tw	Method	TBLASTX:Wheat
Start	1892	End	2260
GI	none	Score	320
Exons	1892..2260, 2137..2259		

Seq. No.	43069	Seq. ID	OJ000450_07.0411.C2
Gene No.	90190	Strand	-
Start	16924	End	17550
Name	OJ000450_07.0411.C2.o3.tm	Method	TBLASTX:Maize
Start	15408	End	15518
GI	none	Score	180
Exons	15408..15518, 15408..15512, 15409..15513		

Seq. No.	43069	Seq. ID	OJ000450_07.0411.C2
Gene No.	90190	Strand	-
Start	16924	End	17550
Name	OJ000450_07.0411.C2.o5.gs	Method	GENSCAN
Start	16924	End	17550
GI	none	Score	.99
Exons	16924..17550		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90191	Strand	+
Start	1025	End	1829
Name	OJ000450_07.0411.C3.o1.np	Method	AAT/NAP
Start	1025	End	1334
GI	6539588	Score	318
Exons	1025..1334		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90191	Strand	+
Start	1025	End	1829
Name	OJ000450_07.0411.C3.o1.gs	Method	GENSCAN
Start	1181	End	1829
GI	none	Score	.56
Exons	1181..1326, 1401..1557, 1812..1829		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90192	Strand	+
Start	5689	End	8375
Name	OJ000450_07.0411.C3.o3.np	Method	AAT/NAP
Start	5689	End	8375
GI	100484	Score	387
Exons	5689..5745, 6989..7291, 7419..8375		
GI Descrip.	hypothetical protein - garden snapdragon		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90192	Strand	+
Start	5689	End	8375
Name	OJ000450_07.0411.C3.o2.np	Method	AAT/NAP
Start	7018	End	8163
GI	99922	Score	533
Exons	7018..7279, 7413..8163		
GI Descrip.	hypothetical protein - soybean gi\|930025\|emb\|CAA31883\| (X13528) ORF (334 AA) [Glycine max]		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90193	Strand	+
Start	8870	End	12194
Name	OJ000450_07.0411.C3.o1.gp	Method	AAT/GAP
Start	8773	End	12194
GI	277_1.R1084	Score	5469
Exons	8773..9056, 9135..9427, 9542..9779, 10165..12194		
GI Descrip.	'126401/sp\|P29250\|LOX2_ORYSA 0.0e+00 LIPOXYGENASE L-2 >gi_100690_pir__S23454 lipoxygenase (EC 1.13.11.12) L-2 - rice >gi_20267_emb_CAA45738_ (X64396) lipoxygenase [Oryza sativa]'		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90193	Strand	+
Start	8870	End	12194
Name	OJ000450_07.0411.C3.o3.gs	Method	GENSCAN
Start	8870	End	12059
GI	none	Score	.96
Exons	8870..9056, 9135..9427, 9542..9779, 10165..12059		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90193	Strand	+
Start	8870	End	12194
Name	OJ000450_07.0411.C3.o4.np	Method	AAT/NAP
Start	8870	End	12056
GI	126401	Score	4277
Exons	8870..9056, 9135..9427, 9542..9779, 10165..12056		
GI Descrip.	LIPOXYGENASE L-2 gi\|100690\|pir\|\|S23454 lipoxygenase (EC 1.13.11.12) L-2 - rice gi\|20267\|emb\|CAA45738\| (X64396) lipoxygenase [Oryza sativa]		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90194	Strand	+
Start	12839	End	15286
Name	OJ000450_07.0411.C3.o2.gp	Method	AAT/GAP
Start	12834	End	13396
GI	28902_1.R1084	Score	983
Exons	12834..13396		
GI Descrip.	'2739374 2.0e-27 (AC002505) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90194	Strand	+
Start	12839	End	15286
Name	OJ000450_07.0411.C3.o4.gs	Method	GENSCAN
Start	12839	End	14308
GI	none	Score	.99
Exons	12839..14308		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90194	Strand	+
Start	12839	End	15286
Name	OJ000450_07.0411.C3.o5.np	Method	AAT/NAP
Start	12854	End	15286
GI	7487881	Score	1149
Exons	12854..14081, 14116..14215, 15167..15286		
GI Descrip.	hypothetical protein T9J22.16 - Arabidopsis thaliana		

gi|2739374|gb|AAC14498.1| (AC002505) En/Spm-like transposon protein [Arabidopsis thaliana]

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90194	Strand	+
Start	12839	End	15286
Name	OJ000450_07.0411.C3.o3.gp	Method	AAT/GAP
Start	13361	End	13878
GI	uC-osflm202113f01b1	Score	968
Exons	13361..13878		
GI Descrip.	'2739374 1.0e-58 (AC002505) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3				
Gene No.	90195	Strand	+				
Start	19319	End	21217				
Name	OJ000450_07.0411.C3.o6.np	Method	AAT/NAP				
Start	19096	End	21208				
GI	7459616	Score	912				
Exons	19096..19188, 19328..19401, 19540..20339, 20427..20818, 20900..21077, 21120..21208						
GI Descrip.	hypothetical protein F18B3.120 - Arabidopsis thaliana gi	4835235	emb	CAB42913.1	(AL049862) putative protein [Arabidopsis thaliana]		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90195	Strand	+
Start	19319	End	21217
Name	OJ000450_07.0411.C3.o5.gs	Method	GENSCAN
Start	19319	End	21217
GI	none	Score	.5
Exons	19319..21217		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90196	Strand	-
Start	3405	End	8581
Name	OJ000450_07.0411.C3.o2.gs	Method	GENSCAN
Start	3405	End	8581
GI	none	Score	.6
Exons	3405..3631, 7190..7268, 8396..8581		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90197	Strand	-
Start	14495	End	14905
Name	OJ000450_07.0411.C3.o4.gp	Method	AAT/GAP
Start	14495	End	14905
GI	none	Score	815
Exons	14495..14905		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90198	Strand	-
Start	27840	End	29341
Name	OJ000450_07.0411.C3.o5.ts	Method	TBLASTX:Soybean
Start	7021	End	7364
GI	none	Score	62
Exons	7021..7080, 7094..7261, 7272..7364		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90198	Strand	-
Start	27840	End	29341
Name	OJ000450_07.0411.C3.o1.ts	Method	TBLASTX:Soybean
Start	8879	End	11999
GI	none	Score	76
Exons	8879..9019, 9146..9247, 9148..9249, 9247..9372, 9251..9424, 9542..9616, 9617..9697, 9704..9724, 10203..10319, 10203..10301, 10311..10388, 10421..10666, 10422..10652, 10671..10766, 10788..10877, 10835..10903, 10943..11683, 10944..11999, 11759..11998		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90198	Strand	-
Start	27840	End	29341
Name	OJ000450_07.0411.C3.o1.tc	Method	TBLASTX:Cress
Start	8882	End	12059
GI	none	Score	136
Exons	8882..9052, 8884..9051, 9121..9252, 9122..9253, 9259..9387, 9260..9424, 9542..9613, 9623..9688, 9698..9724, 10200..10769, 10202..10342, 10469..10753, 10788..10877, 10955..10993, 10956..11243, 11009..11239, 11168..11992, 11223..11993, 11985..12059		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90198	Strand	-
Start	27840	End	29341
Name	OJ000450_07.0411.C3.o4.tm	Method	TBLASTX:Maize
Start	8903	End	9241
GI	none	Score	215
Exons	8903..9052, 8905..9060, 9122..9241, 9130..9240		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90198	Strand	-
Start	27840	End	29341
Name	OJ000450_07.0411.C3.o1.tm	Method	TBLASTX:Maize
Start	9251	End	12058
GI	none	Score	55
Exons	9251..9328, 9350..9415, 9407..9430, 9563..9622, 9611..9691, 10164..10232, 10482..10772, 10482..10694, 10484..10780, 10785..10823, 10830..10910, 10835..10903, 10902..11174, 10971..11078, 11021..11173, 11174..11677, 11175..11678, 11694..11837, 11804..11824, 11826..11987, 11826..11984, 11975..12058		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90198	Strand	-
Start	27840	End	29341
Name	OJ000450_07.0411.C3.o1.tw	Method	TBLASTX:Wheat
Start	10335	End	10739
GI	none	Score	559
Exons	10335..10739, 10403..10735		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90198	Strand	-
Start	27840	End	29341
Name	OJ000450_07.0411.C3.o7.tm	Method	TBLASTX:Maize

Start	10338	End	10481
GI	none	Score	217
Exons	10338..10481, 10394..10480		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90198	Strand	-
Start	27840	End	29341
Name	OJ000450_07.0411.C3.o2.tw	Method	TBLASTX:Wheat
Start	10761	End	11258
GI	none	Score	143
Exons	10761..10871, 10761..10871, 10795..10872, 10943..11257, 10944..11258, 11136..11258		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90198	Strand	-
Start	27840	End	29341
Name	OJ000450_07.0411.C3.o3.tw	Method	TBLASTX:Wheat
Start	11442	End	11711
GI	none	Score	416
Exons	11442..11498, 11444..11683, 11445..11711		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90198	Strand	-
Start	27840	End	29341
Name	OJ000450_07.0411.C3.o5.tm	Method	TBLASTX:Maize
Start	12747	End	13108
GI	none	Score	35
Exons	12747..12773, 12794..12967, 12880..12963, 12943..13107, 12944..13108		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90198	Strand	-
Start	27840	End	29341
Name	OJ000450_07.0411.C3.o2.tm	Method	TBLASTX:Maize
Start	13210	End	13687
GI	none	Score	790
Exons	13210..13686, 13211..13687		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90198	Strand	-
Start	27840	End	29341
Name	OJ000450_07.0411.C3.o4.ts	Method	TBLASTX:Soybean
Start	13579	End	13816
GI	none	Score	243
Exons	13579..13746, 13580..13816		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90198	Strand	-
Start	27840	End	29341
Name	OJ000450_07.0411.C3.o5.tw	Method	TBLASTX:Wheat
Start	13664	End	14086
GI	none	Score	69
Exons	13664..13732, 13882..14058, 13892..14086		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90198	Strand	-
Start	27840	End	29341

Name	OJ000450_07.0411.C3.o2.tc	Method	TBLASTX:Cress
Start	13676	End	14053
GI	none	Score	63
Exons	13676..13732, 13682..13759, 13684..13749, 13763..14002, 13834..13923, 13991..14053		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90198	Strand	-
Start	27840	End	29341
Name	OJ000450_07.0411.C3.o3.ts	Method	TBLASTX:Soybean
Start	19119	End	19837
GI	none	Score	110
Exons	19119..19187, 19120..19188, 19313..19384, 19327..19386, 19541..19837, 19555..19674		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90198	Strand	-
Start	27840	End	29341
Name	OJ000450_07.0411.C3.o6.tm	Method	TBLASTX:Maize
Start	19528	End	19837
GI	none	Score	277
Exons	19528..19674, 19541..19837		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90198	Strand	-
Start	27840	End	29341
Name	OJ000450_07.0411.C3.o4.tc	Method	TBLASTX:Cress
Start	19535	End	19837
GI	none	Score	254
Exons	19535..19837, 19558..19674		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90198	Strand	-
Start	27840	End	29341
Name	OJ000450_07.0411.C3.o2.ts	Method	TBLASTX:Soybean
Start	19867	End	21199
GI	none	Score	48
Exons	19867..19941, 19868..19909, 19952..20002, 20042..20326, 20050..20157, 20437..20709, 20438..20797, 20917..21015, 20918..21043, 21125..21199, 21130..21183		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90198	Strand	-
Start	27840	End	29341
Name	OJ000450_07.0411.C3.o4.tw	Method	TBLASTX:Wheat
Start	19936	End	26390
GI	none	Score	412
Exons	19936..20157, 19949..20284, 20246..20284, 26334..26390		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90198	Strand	-
Start	27840	End	29341
Name	OJ000450_07.0411.C3.o3.tc	Method	TBLASTX:Cress
Start	20135	End	20713
GI	none	Score	121
Exons	20135..20347, 20432..20713, 20434..20709		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90198	Strand	-
Start	27840	End	29341
Name	OJ000450_07.0411.C3.o3.tm	Method	TBLASTX:Maize
Start	20297	End	21034
GI	none	Score	49
Exons	20297..20347, 20417..20788, 20449..20709, 20894..21034, 20914..21033		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90198	Strand	-
Start	27840	End	29341
Name	OJ000450_07.0411.C3.o6.tw	Method	TBLASTX:Wheat
Start	20432	End	20686
GI	none	Score	221
Exons	20432..20686, 20563..20679		

Seq. No.	43070	Seq. ID	OJ000450_07.0411.C3
Gene No.	90198	Strand	-
Start	27840	End	29341
Name	OJ000450_07.0411.C3.o7.gs	Method	GENSCAN
Start	27840	End	29341
GI	none	Score	.83
Exons	27840..28272, 28411..28558, 28624..28882, 29077..29193, 29213..29341		

Seq. No.	43071	Seq. ID	OJ000450_07.0411.C4
Gene No.	90199	Strand	-
Start	500	End	591
Name	OJ000450_07.0411.C4.o1.gp	Method	AAT/GAP
Start	500	End	591
GI	LIB3477-003-P1-K1-E9	Score	141
Exons	500..591		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	43072	Seq. ID	OJ000450_07.0411.C5
Gene No.	90200	Strand	+
Start	77	End	400
Name	OJ000450_07.0411.C5.o1.gs	Method	GENSCAN
Start	77	End	400
GI	none	Score	.66
Exons	77..158, 315..400		

Seq. No.	43072	Seq. ID	OJ000450_07.0411.C5
Gene No.	90201	Strand	+
Start	19441	End	20737
Name	OJ000450_07.0411.C5.o4.np	Method	AAT/NAP
Start	19425	End	20737
GI	6523417	Score	616
Exons	19425..19635, 20231..20398, 20548..20737		
GI Descrip.	(AJ242017) deoxyhypusine synthase [Nicotiana tabacum]		

Seq. No.	43072	Seq. ID	OJ000450_07.0411.C5
Gene No.	90201	Strand	+
Start	19441	End	20737

Name	OJ000450_07.0411.C5.o6.gs	Method	GENSCAN
Start	19441	End	19763
GI	none	Score	.69
Exons	19441..19635, 19746..19763		

Seq. No.	43072	Seq. ID	OJ000450_07.0411.C5
Gene No.	90202	Strand	-
Start	931	End	2032
Name	OJ000450_07.0411.C5.o2.gs	Method	GENSCAN
Start	931	End	2032
GI	none	Score	.8
Exons	931..984, 1898..2032		

Seq. No.	43072	Seq. ID	OJ000450_07.0411.C5
Gene No.	90203	Strand	-
Start	9800	End	14831
Name	OJ000450_07.0411.C5.o1.np	Method	AAT/NAP
Start	9284	End	14615
GI	6069646	Score	1052
Exons	9284..10267, 10550..11360, 14595..14615		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	43072	Seq. ID	OJ000450_07.0411.C5
Gene No.	90203	Strand	-
Start	9800	End	14831
Name	OJ000450_07.0411.C5.o3.tm	Method	TBLASTX:Maize
Start	9290	End	9853
GI	none	Score	74
Exons	9290..9514, 9530..9763, 9663..9767, 9791..9853		

Seq. No.	43072	Seq. ID	OJ000450_07.0411.C5
Gene No.	90203	Strand	-
Start	9800	End	14831
Name	OJ000450_07.0411.C5.o2.tw	Method	TBLASTX:Wheat
Start	9713	End	10093
GI	none	Score	200
Exons	9713..10093		

Seq. No.	43072	Seq. ID	OJ000450_07.0411.C5
Gene No.	90203	Strand	-
Start	9800	End	14831
Name	OJ000450_07.0411.C5.o4.gs	Method	GENSCAN
Start	9800	End	12640
GI	none	Score	.73
Exons	9800..10240, 10364..10856, 11025..12640		

Seq. No.	43072	Seq. ID	OJ000450_07.0411.C5
Gene No.	90203	Strand	-
Start	9800	End	14831
Name	OJ000450_07.0411.C5.o7.tm	Method	TBLASTX:Maize
Start	9986	End	10277
GI	none	Score	121
Exons	9986..10087, 10100..10267, 10101..10277		

Seq. No.	43072	Seq. ID	OJ000450_07.0411.C5
Gene No.	90203	Strand	-
Start	9800	End	14831
Name	OJ000450_07.0411.C5.o1.tw	Method	TBLASTX:Wheat
Start	10256	End	10696
GI	none	Score	117
Exons	10256..10387, 10394..10696, 10404..10694		

Seq. No.	43072	Seq. ID	OJ000450_07.0411.C5
Gene No.	90203	Strand	-
Start	9800	End	14831
Name	OJ000450_07.0411.C5.o1.tm	Method	TBLASTX:Maize
Start	10337	End	11023
GI	none	Score	70
Exons	10337..11023, 10338..10592, 10626..10778		

Seq. No.	43072	Seq. ID	OJ000450_07.0411.C5
Gene No.	90203	Strand	-
Start	9800	End	14831
Name	OJ000450_07.0411.C5.o3.tw	Method	TBLASTX:Wheat
Start	10820	End	11134
GI	none	Score	194
Exons	10820..11134		

Seq. No.	43072	Seq. ID	OJ000450_07.0411.C5
Gene No.	90203	Strand	-
Start	9800	End	14831
Name	OJ000450_07.0411.C5.o6.tm	Method	TBLASTX:Maize
Start	11024	End	11368
GI	none	Score	138
Exons	11024..11224, 11025..11357, 11288..11368		

Seq. No.	43072	Seq. ID	OJ000450_07.0411.C5
Gene No.	90203	Strand	-
Start	9800	End	14831
Name	OJ000450_07.0411.C5.o2.tm	Method	TBLASTX:Maize
Start	11531	End	11965
GI	none	Score	167
Exons	11531..11965, 11676..11915		

Seq. No.	43072	Seq. ID	OJ000450_07.0411.C5
Gene No.	90203	Strand	-
Start	9800	End	14831
Name	OJ000450_07.0411.C5.o4.tw	Method	TBLASTX:Wheat
Start	11960	End	12340
GI	none	Score	187
Exons	11960..12340		

Seq. No.	43072	Seq. ID	OJ000450_07.0411.C5
Gene No.	90203	Strand	-
Start	9800	End	14831
Name	OJ000450_07.0411.C5.o8.tm	Method	TBLASTX:Maize
Start	12194	End	12427
GI	none	Score	48
Exons	12194..12283, 12200..12283, 12287..12427, 12338..12424		

Seq. No.	43072	Seq. ID	OJ000450_07.0411.C5
Gene No.	90203	Strand	-
Start	9800	End	14831
Name	OJ000450_07.0411.C5.o1.gp	Method	AAT/GAP
Start	14382	End	14831
GI	LIB3432-059-P1-K1-D8	Score	725
Exons	14382..14831		
GI Descrip.	'5734616/dbj\|AP000391.1\|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	43072	Seq. ID	OJ000450_07.0411.C5
Gene No.	90204	Strand	
Start	19416	End	20630
Name	OJ000450_07.0411.C5.o4.tm	Method	TBLASTX:Maize
Start	19416	End	20407
GI	none	Score	251
Exons	19416..19655, 19417..19656, 20227..20400, 20231..20407, 20231..20401		

Seq. No.	43072	Seq. ID	OJ000450_07.0411.C5
Gene No.	90204	Strand	
Start	19416	End	20630
Name	OJ000450_07.0411.C5.o1.ts	Method	TBLASTX:Soybean
Start	19554	End	20630
GI	none	Score	90
Exons	19554..19637, 19579..19653, 20230..20400, 20231..20413, 20231..20401, 20547..20630, 20548..20628		

Seq. No.	43072	Seq. ID	OJ000450_07.0411.C5
Gene No.	90205	Strand	
Start	20583	End	20737
Name	OJ000450_07.0411.C5.o5.tm	Method	TBLASTX:Maize
Start	20583	End	20737
GI	none	Score	163
Exons	20583..20732, 20583..20735, 20584..20736, 20585..20737		

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6
Gene No.	90206	Strand	+
Start	120	End	9777
Name	OJ000450_07.0411.C6.o1.gp	Method	AAT/GAP
Start	120	End	445
GI	3107663	Score	493
Exons	120..445		

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6
Gene No.	90206	Strand	+
Start	120	End	9777
Name	OJ000450_07.0411.C6.o1.gs	Method	GENSCAN
Start	165	End	9777
GI	none	Score	.47
Exons	165..474, 1008..1138, 1866..2138, 3027..3116, 3339..3545, 3602..5986, 6050..8158, 8199..8324, 8386..9777		

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6
Gene No.	90206	Strand	+
Start	120	End	9777
Name	OJ000450_07.0411.C6.o1.np	Method	AAT/NAP

Start	3620	End	9774
GI	7228457	Score	9676
Exons	3620..3986, 4048..5986, 6050..6884, 7007..8158, 8226..9774		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6
Gene No.	90207	Strand	+
Start	14592	End	19810
Name	OJ000450_07.0411.C6.o4.np	Method	AAT/NAP
Start	14592	End	15064
GI	5042454	Score	258
Exons	14592..14788, 15011..15064		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6
Gene No.	90207	Strand	+
Start	14592	End	19810
Name	OJ000450_07.0411.C6.o3.gs	Method	GENSCAN
Start	14726	End	19810
GI	none	Score	.42
Exons	14726..14867, 15113..15180, 15946..16498, 16988..17063, 19795..19810		

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6
Gene No.	90207	Strand	+
Start	14592	End	19810
Name	OJ000450_07.0411.C6.o4.gp	Method	AAT/GAP
Start	18953	End	19491
GI	2311735	Score	769
Exons	18953..19052, 19147..19491		

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6
Gene No.	90208	Strand	+
Start	21303	End	25103
Name	OJ000450_07.0411.C6.o5.gp	Method	AAT/GAP
Start	21247	End	24998
GI	1128_1.R1084	Score	2597
Exons	21247..21389, 21507..21545, 21662..21748, 21841..21962, 22103..22179, 22658..22782, 23020..23112, 23363..23455, 23539..23736, 23860..23964, 24058..24123, 24331..24408, 24667..24778, 24864..24998		
GI Descrip.	'1707998/sp\|P50433\|GLYM_SOLTU 0.0e+00 SERINE HYDROXYMETHYLTRANSFERASE, MITOCHONDRIAL PRECURSOR (SERINE METHYLASE) (GLYCINE HYDROXYMETHYLTRANSFERASE) (SHMT) >gi_481944_pir__S40218 glycine hydroxymethyltransferase (EC 2.1.2.1) - potato >gi_438247_emb_CAA81082_ (Z25863) glycine hydroxymethyltransferase [Solanum tuberosum]'		

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6
Gene No.	90208	Strand	+
Start	21303	End	25103
Name	OJ000450_07.0411.C6.o4.gs	Method	GENSCAN
Start	21303	End	24971
GI	none	Score	.88
Exons	21303..21389, 21662..21748, 21841..21962, 22103..22179,		

22658..22782, 23020..23112, 23363..23455, 23539..23736, 23860..23964, 24058..24123, 24331..24408, 24667..24778, 24864..24971

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6
Gene No.	90208	Strand	+
Start	21303	End	25103
Name	OJ000450_07.0411.C6.o5.np	Method	AAT/NAP
Start	21303	End	25103
GI	1707998	Score	1679
Exons	21303..21389, 21507..21545, 21662..21748, 21841..21962, 22103..22179, 22658..22782, 23020..23112, 23363..23455, 23539..23736, 23860..23964, 24058..24123, 24331..24408, 24667..24778, 24864..24971, 25069..25103		
GI Descrip.	SERINE HYDROXYMETHYLTRANSFERASE, MITOCHONDRIAL PRECURSOR (SERINE METHYLASE) (GLYCINE HYDROXYMETHYLTRANSFERASE) (SHMT) gi\|481944\|pir\|\|S40218 glycine hydroxymethyltransferase (EC 2.1.2.1) - potato gi\|438247\|emb\|CAA81082.1\| (Z25863) glycine hydroxymethyltransferase [Solanum tuberosum]		

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6
Gene No.	90209	Strand	-
Start	10406	End	13547
Name	OJ000450_07.0411.C6.o2.gs	Method	GENSCAN
Start	10406	End	13547
GI	none	Score	.75
Exons	10406..12191, 12286..13547		

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6
Gene No.	90209	Strand	-
Start	10406	End	13547
Name	OJ000450_07.0411.C6.o2.np	Method	AAT/NAP
Start	10409	End	13547
GI	6907089	Score	4737
Exons	10409..12191, 12286..13547		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6
Gene No.	90210	Strand	-
Start	14186	End	16116
Name	OJ000450_07.0411.C6.o5.tm	Method	TBLASTX:Maize
Start	288	End	896
GI	none	Score	249
Exons	288..476, 288..425, 292..486, 296..487, 792..896, 798..896		

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6
Gene No.	90210	Strand	-
Start	14186	End	16116
Name	OJ000450_07.0411.C6.o6.tm	Method	TBLASTX:Maize
Start	1899	End	16116
GI	none	Score	145
Exons	1899..2030, 1904..2008, 2009..2143, 2010..2144, 2037..2138, 15939..16058, 15943..16071, 15945..16040, 16066..16116		

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6
Gene No.	90210	Strand	-
Start	14186	End	16116

Name	OJ000450_07.0411.C6.o6.tw	Method	TBLASTX:Wheat
Start	4274	End	4666
GI	none	Score	58
Exons	4274..4321, 4328..4426, 4333..4425, 4393..4632, 4409..4666		

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6
Gene No.	90210	Strand	-
Start	14186	End	16116
Name	OJ000450_07.0411.C6.o7.tm	Method	TBLASTX:Maize
Start	4279	End	4564
GI	none	Score	197
Exons	4279..4563, 4316..4564		

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6
Gene No.	90210	Strand	-
Start	14186	End	16116
Name	OJ000450_07.0411.C6.o3.tw	Method	TBLASTX:Wheat
Start	5407	End	5893
GI	none	Score	415
Exons	5407..5580, 5408..5893, 5602..5862		

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6
Gene No.	90210	Strand	-
Start	14186	End	16116
Name	OJ000450_07.0411.C6.o1.tw	Method	TBLASTX:Wheat
Start	6057	End	6520
GI	none	Score	225
Exons	6057..6500, 6058..6513, 6059..6520, 6059..6514		

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6
Gene No.	90210	Strand	-
Start	14186	End	16116
Name	OJ000450_07.0411.C6.o3.ts	Method	TBLASTX:Soybean
Start	6098	End	6463
GI	none	Score	117
Exons	6098..6322, 6329..6463		

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6
Gene No.	90210	Strand	-
Start	14186	End	16116
Name	OJ000450_07.0411.C6.o2.tm	Method	TBLASTX:Maize
Start	6188	End	6544
GI	none	Score	395
Exons	6188..6544, 6223..6534, 6239..6544		

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6
Gene No.	90210	Strand	-
Start	14186	End	16116
Name	OJ000450_07.0411.C6.o3.tm	Method	TBLASTX:Maize
Start	6571	End	6955
GI	none	Score	365
Exons	6571..6936, 6572..6955		

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6
Gene No.	90210	Strand	-
Start	14186	End	16116
Name	OJ000450_07.0411.C6.o2.tw	Method	TBLASTX:Wheat

Start	6628	End	7048
GI	none	Score	488
Exons	6628..7041, 6629..7048		

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6
Gene No.	90210	Strand	-
Start	14186	End	16116
Name	OJ000450_07.0411.C6.o2.ts	Method	TBLASTX:Soybean
Start	6707	End	7078
GI	none	Score	274
Exons	6707..7078, 6724..6867		

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6
Gene No.	90210	Strand	-
Start	14186	End	16116
Name	OJ000450_07.0411.C6.o5.tw	Method	TBLASTX:Wheat
Start	7703	End	8137
GI	none	Score	229
Exons	7703..7954, 7718..7927, 7768..7953, 7988..8137, 7997..8134, 7999..8136		

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6
Gene No.	90210	Strand	-
Start	14186	End	16116
Name	OJ000450_07.0411.C6.o4.tm	Method	TBLASTX:Maize
Start	8644	End	8967
GI	none	Score	362
Exons	8644..8967, 8673..8954		

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6
Gene No.	90210	Strand	-
Start	14186	End	16116
Name	OJ000450_07.0411.C6.o4.tw	Method	TBLASTX:Wheat
Start	8781	End	9162
GI	none	Score	371
Exons	8781..8837, 8782..9162, 8785..9123, 8883..9131		

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6
Gene No.	90210	Strand	-
Start	14186	End	16116
Name	OJ000450_07.0411.C6.o8.tw	Method	TBLASTX:Wheat
Start	9163	End	9765
GI	none	Score	259
Exons	9163..9447, 9168..9446, 9639..9761, 9640..9765		

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6
Gene No.	90210	Strand	-
Start	14186	End	16116
Name	OJ000450_07.0411.C6.o8.tm	Method	TBLASTX:Maize
Start	9634	End	9780
GI	none	Score	186
Exons	9634..9780, 9639..9773		

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6
Gene No.	90210	Strand	-
Start	14186	End	16116
Name	OJ000450_07.0411.C6.o3.np	Method	AAT/NAP

Start	14186	End	14320
GI	7523512	Score	135
Exons	14186..14320		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6
Gene No.	90211	Strand	
Start	21239	End	24969
Name	OJ000450_07.0411.C6.o1.tm	Method	TBLASTX:Maize
Start	21239	End	24969
GI	none	Score	53
Exons	21239..21319, 21295..21318, 21321..21389, 21339..21389, 21500..21544, 21506..21538, 21662..21748, 21733..21747, 21838..21966, 21838..21939, 21840..21962, 22104..22178, 22106..22177, 22108..22179, 22108..22179, 22656..22781, 22656..22781, 22657..22782, 22657..22782, 22993..23118, 23001..23105, 23017..23136, 23339..23458, 23340..23456, 23360..23458, 23536..23739, 23536..23736, 23858..23935, 23859..23963, 23860..23964, 24055..24123, 24057..24122, 24328..24408, 24328..24408, 24330..24410, 24330..24413, 24643..24780, 24665..24778, 24666..24779, 24666..24782, 24667..24780, 24863..24901, 24863..24967, 24934..24969		

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6
Gene No.	90211	Strand	
Start	21239	End	24969
Name	OJ000450_07.0411.C6.o1.ts	Method	TBLASTX:Soybean
Start	21662	End	24964
GI	none	Score	142
Exons	21662..21748, 21838..21966, 21840..21965, 22103..22177, 22104..22178, 22655..22774, 22656..22775, 22657..22782, 22657..22782, 23001..23090, 23017..23136, 23017..23136, 23360..23458, 23362..23418, 23532..23738, 23536..23739, 23536..23739, 23538..23741, 23657..23746, 23859..23963, 23860..23964, 24055..24123, 24057..24122, 24328..24408, 24333..24446, 24643..24780, 24666..24779, 24666..24782, 24667..24780, 24862..24891, 24863..24901, 24920..24964		

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6
Gene No.	90211	Strand	
Start	21239	End	24969
Name	OJ000450_07.0411.C6.o2.tc	Method	TBLASTX:Cress
Start	21662	End	21966
GI	none	Score	160
Exons	21662..21748, 21838..21966, 21840..21965		

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6
Gene No.	90211	Strand	
Start	21239	End	24969
Name	OJ000450_07.0411.C6.o3.tc	Method	TBLASTX:Cress
Start	22140	End	23136
GI	none	Score	66
Exons	22140..22178, 22656..22736, 22656..22775, 22657..22782, 22657..22782, 22993..23118, 23001..23096, 23012..23131, 23017..23136		

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6

Gene No.	90211	Strand	
Start	21239	End	24969
Name	OJ000450_07.0411.C6.o1.tc	Method	TBLASTX:Cress
Start	23369	End	24901
GI	none	Score	120
Exons	23369..23458, 23379..23456, 23380..23457, 23536..23739, 23538..23738, 23657..23746, 23859..23954, 23859..23963, 23860..23976, 24055..24123, 24055..24156, 24328..24408, 24330..24467, 24640..24780, 24666..24782, 24862..24888, 24863..24901		

Seq. No.	43073	Seq. ID	OJ000450_07.0411.C6
Gene No.	90211	Strand	
Start	21239	End	24969
Name	OJ000450_07.0411.C6.o7.tw	Method	TBLASTX:Wheat
Start	23675	End	24119
GI	none	Score	44
Exons	23675..23695, 23676..23705, 23695..23739, 23700..23753, 23858..23932, 23859..23963, 23860..23964, 24056..24118, 24057..24119		

Seq. No.	43074	Seq. ID	OJ000450_07.0411.C7
Gene No.	90212	Strand	-
Start	185	End	4068
Name	OJ000450_07.0411.C7.o1.gs	Method	GENSCAN
Start	185	End	4068
GI	none	Score	.67
Exons	185..293, 517..634, 826..989, 1030..1195, 2215..2343, 2587..2615, 3132..3202, 3204..3399, 3749..3782, 3977..4068		

Seq. No.	43075	Seq. ID	OJ000450_07.0411.C10
Gene No.	90213	Strand	+
Start	1558	End	1891
Name	OJ000450_07.0411.C10.o1.gp	Method	AAT/GAP
Start	1558	End	1891
GI	2798412	Score	599
Exons	1558..1891		
GI Descrip.	4760545/dbj\|BAA77333.1\| 1.0e-10 (AB019492) IDN4-GGTR14 [Homo sapiens]		

Seq. No.	43075	Seq. ID	OJ000450_07.0411.C10
Gene No.	90214	Strand	-
Start	419	End	844
Name	OJ000450_07.0411.C10.o1.gs	Method	GENSCAN
Start	419	End	844
GI	none	Score	.86
Exons	419..844		

Seq. No.	43075	Seq. ID	OJ000450_07.0411.C10
Gene No.	90215	Strand	-
Start	1681	End	8970
Name	OJ000450_07.0411.C10.o1.tm	Method	TBLASTX:Maize
Start	1609	End	2311
GI	none	Score	316
Exons	1609..1632, 1642..1950, 1658..1930, 1669..1941, 1933..2025, 1937..2023, 1939..2025, 2071..2310, 2096..2311, 2097..2309		

Seq. No.	43075	Seq. ID	OJ000450_07.0411.C10
Gene No.	90215	Strand	-
Start	1681	End	8970
Name	OJ000450_07.0411.C10.o2.gs	Method	GENSCAN
Start	1681	End	8764
GI	none	Score	.79
Exons	1681..2007, 2097..2309, 2463..2814, 3384..3460, 3939..4481, 4566..4766, 6050..6264, 6392..6792, 7819..7915, 7985..8051, 8510..8764		

Seq. No.	43075	Seq. ID	OJ000450_07.0411.C10
Gene No.	90215	Strand	-
Start	1681	End	8970
Name	OJ000450_07.0411.C10.o1.np	Method	AAT/NAP
Start	1690	End	5449
GI	7293088	Score	321
Exons	1690..2007, 2097..2309, 2463..2791, 5413..5449		
GI Descrip.	(AE003499) CG9213 gene product [Drosophila melanogaster]		

Seq. No.	43075	Seq. ID	OJ000450_07.0411.C10
Gene No.	90215	Strand	-
Start	1681	End	8970
Name	OJ000450_07.0411.C10.o2.ts	Method	TBLASTX:Soybean
Start	1735	End	2117
GI	none	Score	109
Exons	1735..1920, 1784..1915, 1798..1965, 1805..1927, 1940..2008, 1941..2009, 1948..2010, 1948..2025, 2097..2117		

Seq. No.	43075	Seq. ID	OJ000450_07.0411.C10
Gene No.	90215	Strand	-
Start	1681	End	8970
Name	OJ000450_07.0411.C10.o4.tm	Method	TBLASTX:Maize
Start	2622	End	4202
GI	none	Score	205
Exons	2622..2816, 2622..2816, 3400..3459, 3404..3460, 3928..4059, 3939..4067, 4069..4158, 4083..4202, 4085..4201, 4086..4202		

Seq. No.	43075	Seq. ID	OJ000450_07.0411.C10
Gene No.	90215	Strand	-
Start	1681	End	8970
Name	OJ000450_07.0411.C10.o3.tm	Method	TBLASTX:Maize
Start	4203	End	6175
GI	none	Score	74
Exons	4203..4283, 4203..4358, 4208..4327, 4266..4481, 4321..4482, 4328..4483, 4351..4482, 4553..4750, 4563..4769, 4564..4752, 4566..4754, 6050..6175, 6065..6166		

Seq. No.	43075	Seq. ID	OJ000450_07.0411.C10
Gene No.	90215	Strand	-
Start	1681	End	8970
Name	OJ000450_07.0411.C10.o1.ts	Method	TBLASTX:Soybean
Start	4257	End	6169
GI	none	Score	61
Exons	4257..4343, 4335..4481, 4372..4482, 4563..4763, 4564..4674, 4581..4763, 4699..4764, 6119..6169		

Seq. No.	43075	Seq. ID	OJ000450_07.0411.C10

Gene No.	90215	Strand	-
Start	1681	End	8970
Name	OJ000450_07.0411.C10.o2.gp	Method	AAT/GAP
Start	4300	End	6149
GI	none	Score	857
Exons	4300..4481, 4566..4766, 6050..6149		

Seq. No.	43075	Seq. ID	OJ000450_07.0411.C10
Gene No.	90215	Strand	-
Start	1681	End	8970
Name	OJ000450_07.0411.C10.o2.tm	Method	TBLASTX:Maize
Start	7945	End	8931
GI	none	Score	83
Exons	7945..8052, 7962..8057, 7977..8057, 8497..8748, 8497..8736, 8504..8767, 8508..8765, 8805..8915, 8816..8926, 8819..8926, 8821..8931, 8821..8928		

Seq. No.	43075	Seq. ID	OJ000450_07.0411.C10
Gene No.	90215	Strand	-
Start	1681	End	8970
Name	OJ000450_07.0411.C10.o2.np	Method	AAT/NAP
Start	7954	End	8925
GI	6523417	Score	445
Exons	7954..8051, 8510..8752, 8827..8925		
GI Descrip.	(AJ242017) deoxyhypusine synthase [Nicotiana tabacum]		

Seq. No.	43075	Seq. ID	OJ000450_07.0411.C10
Gene No.	90215	Strand	-
Start	1681	End	8970
Name	OJ000450_07.0411.C10.o3.ts	Method	TBLASTX:Soybean
Start	8681	End	8970
GI	none	Score	75
Exons	8681..8767, 8682..8765, 8842..8970, 8843..8926		

Seq. No.	43076	Seq. ID	OJ000450_07.0411.C11
Gene No.	90216	Strand	-
Start	1	End	271
Name	OJ000450_07.0411.C11.o1.np	Method	AAT/NAP
Start	1	End	271
GI	6523417	Score	73
Exons	1..21, 192..271		
GI Descrip.	(AJ242017) deoxyhypusine synthase [Nicotiana tabacum]		

Seq. No.	43077	Seq. ID	OJ000450_06.0410.C9
Gene No.	90217	Strand	+
Start	3837	End	4862
Name	OJ000450_06.0410.C9.o2.np	Method	AAT/NAP
Start	3819	End	4844
GI	6729022	Score	358
Exons	3819..4396, 4424..4844		
GI Descrip.	(AC009177) unknown protein [Arabidopsis thaliana]		

Seq. No.	43077	Seq. ID	OJ000450_06.0410.C9
Gene No.	90217	Strand	+
Start	3837	End	4862
Name	OJ000450_06.0410.C9.o2.gs	Method	GENSCAN
Start	3837	End	4862

GI	none	Score	.99
Exons	3837..4862		

Seq. No.	43077	Seq. ID	OJ000450_06.0410.C9
Gene No.	90218	Strand	-
Start	539	End	2325
Name	OJ000450_06.0410.C9.o1.gs	Method	GENSCAN
Start	539	End	2325
GI	none	Score	.71
Exons	539..664, 1500..1643, 2211..2325		

Seq. No.	43077	Seq. ID	OJ000450_06.0410.C9
Gene No.	90219	Strand	-
Start	7182	End	7805
Name	OJ000450_06.0410.C9.o2.tc	Method	TBLASTX:Cress
Start	255	End	1666
GI	none	Score	76
Exons	255..293, 519..662, 533..646, 535..678, 537..665, 1498..1665, 1499..1666		

Seq. No.	43077	Seq. ID	OJ000450_06.0410.C9
Gene No.	90219	Strand	-
Start	7182	End	7805
Name	OJ000450_06.0410.C9.o2.tm	Method	TBLASTX:Maize
Start	255	End	2393
GI	none	Score	180
Exons	255..293, 534..665, 535..666, 537..665, 550..666, 1492..1638, 1498..1644, 1499..1645, 2201..2308, 2212..2307, 2218..2319, 2241..2336, 2274..2336, 2282..2374, 2328..2393		

Seq. No.	43077	Seq. ID	OJ000450_06.0410.C9
Gene No.	90219	Strand	-
Start	7182	End	7805
Name	OJ000450_06.0410.C9.o2.ts	Method	TBLASTX:Soybean
Start	255	End	2319
GI	none	Score	133
Exons	255..293, 537..665, 538..666, 538..666, 1486..1638, 1498..1638, 1499..1639, 2201..2308, 2212..2307, 2218..2319		

Seq. No.	43077	Seq. ID	OJ000450_06.0410.C9
Gene No.	90219	Strand	-
Start	7182	End	7805
Name	OJ000450_06.0410.C9.o1.tw	Method	TBLASTX:Wheat
Start	624	End	2390
GI	none	Score	63
Exons	624..665, 625..666, 626..667, 1492..1644, 1498..1644, 1499..1660, 2201..2308, 2212..2307, 2224..2316, 2280..2330, 2282..2329, 2346..2390		

Seq. No.	43077	Seq. ID	OJ000450_06.0410.C9
Gene No.	90219	Strand	-
Start	7182	End	7805
Name	OJ000450_06.0410.C9.o1.tm	Method	TBLASTX:Maize
Start	3981	End	7805
GI	none	Score	100
Exons	3981..4049, 3983..4048, 4143..4214, 4218..4274, 4325..4387, 4326..4388, 4373..4471, 4428..4472, 7533..7715, 7636..7701,		

7755..7805

Seq. No.	43077	Seq. ID	OJ000450_06.0410.C9
Gene No.	90219	Strand	-
Start	7182	End	7805
Name	OJ000450_06.0410.C9.o1.ts	Method	TBLASTX:Soybean
Start	4125	End	7805
GI	none	Score	79
Exons	4125..4208, 4218..4274, 4332..4385, 4539..4607, 4641..4784, 7200..7403, 7431..7499, 7533..7610, 7638..7697, 7761..7805		

Seq. No.	43077	Seq. ID	OJ000450_06.0410.C9
Gene No.	90219	Strand	-
Start	7182	End	7805
Name	OJ000450_06.0410.C9.o1.tc	Method	TBLASTX:Cress
Start	4331	End	7698
GI	none	Score	70
Exons	4331..4378, 4332..4385, 4539..4598, 4638..4832, 7212..7406, 7446..7499, 7533..7616, 7603..7698, 7644..7697		

Seq. No.	43077	Seq. ID	OJ000450_06.0410.C9
Gene No.	90219	Strand	-
Start	7182	End	7805
Name	OJ000450_06.0410.C9.o3.tm	Method	TBLASTX:Maize
Start	4568	End	7469
GI	none	Score	61
Exons	4568..4591, 4569..4601, 4614..4841, 4643..4831, 7203..7427, 7213..7428, 7437..7469		

Seq. No.	43077	Seq. ID	OJ000450_06.0410.C9
Gene No.	90219	Strand	-
Start	7182	End	7805
Name	OJ000450_06.0410.C9.o3.gs	Method	GENSCAN
Start	7182	End	7739
GI	none	Score	.75
Exons	7182..7739		

Seq. No.	43077	Seq. ID	OJ000450_06.0410.C9
Gene No.	90219	Strand	-
Start	7182	End	7805
Name	OJ000450_06.0410.C9.o3.np	Method	AAT/NAP
Start	7200	End	7805
GI	6729022	Score	250
Exons	7200..7805		
GI Descrip.	(AC009177) unknown protein [Arabidopsis thaliana]		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90220	Strand	+
Start	3553	End	6110
Name	OJ000450_06.0410.C10.o3.gs	Method	GENSCAN
Start	3553	End	6110
GI	none	Score	.69
Exons	3553..3652, 3846..4002, 5184..5302, 5474..5569, 6001..6110		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90221	Strand	+
Start	16361	End	17616

Name	OJ000450_06.0410.C10.o7.gs	Method	GENSCAN
Start	16361	End	17616
GI	none	Score	.46
Exons	16361..16382, 17058..17087, 17597..17616		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90222	Strand	+
Start	18382	End	18981
Name	OJ000450_06.0410.C10.o8.gs	Method	GENSCAN
Start	18382	End	18981
GI	none	Score	.91
Exons	18382..18981		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90222	Strand	+
Start	18382	End	18981
Name	OJ000450_06.0410.C10.o3.np	Method	AAT/NAP
Start	18385	End	18975
GI	6694699	Score	384
Exons	18385..18975		
GI Descrip.	(AF210064) dirigent protein [Thuja plicata]		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90222	Strand	+
Start	18382	End	18981
Name	OJ000450_06.0410.C10.o1.gp	Method	AAT/GAP
Start	18720	End	18978
GI	4969019	Score	470
Exons	18720..18978		
GI Descrip.	4454038/emb\|CAA23035.1\| 4.0e-29 (AL035394) putative disease resistance response protein [Arabidopsis thaliana]		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90223	Strand	+
Start	21119	End	21742
Name	OJ000450_06.0410.C10.o10.gs	Method	GENSCAN
Start	21119	End	21742
GI	none	Score	1
Exons	21119..21742		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90224	Strand	+
Start	24498	End	35062
Name	OJ000450_06.0410.C10.o4.np	Method	AAT/NAP
Start	24498	End	27263
GI	7487237	Score	364
Exons	24498..24609, 25913..27012, 27197..27263		
GI Descrip.	hypothetical protein T20B5.15 - Arabidopsis thaliana gi\|2623309\|gb\|AAB86455.1\| (AC002409) putative TGACG-sequence-specific bZIP DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90224	Strand	+
Start	24498	End	35062
Name	OJ000450_06.0410.C10.o12.gs	Method	GENSCAN
Start	25772	End	34553

GI	none	Score	.84
Exons	25772..27017, 28501..28773, 29252..29275, 30258..30444, 30682..30757, 32895..33022, 33252..33381, 33793..33972, 34371..34553		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90224	Strand	+
Start	24498	End	35062
Name	OJ000450_06.0410.C10.o4.gp	Method	AAT/GAP
Start	31902	End	33033
GI	701288	Score	743
Exons	31902..32003, 32607..32708, 32784..33033		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90224	Strand	+
Start	24498	End	35062
Name	OJ000450_06.0410.C10.o5.np	Method	AAT/NAP
Start	32366	End	34697
GI	6562002	Score	653
Exons	32366..32476, 33128..33381, 33793..33972, 34371..34526, 34608..34697		
GI Descrip.	(AL133363) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90224	Strand	+
Start	24498	End	35062
Name	OJ000450_06.0410.C10.o5.gp	Method	AAT/GAP
Start	34368	End	35062
GI	3768640	Score	1081
Exons	34368..34526, 34608..35062		
GI Descrip.	4335739/gb\|AAD17417\| 3.0e-11 (AC006248) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90225	Strand	+
Start	35298	End	35869
Name	OJ000450_06.0410.C10.o6.gp	Method	AAT/GAP
Start	35298	End	35869
GI	2798815	Score	637
Exons	35298..35869		
GI Descrip.	3660464/emb\|AJ001753\|ATI134T 1.0e-20 Arabidopsis thaliana mRNA for Inositol 1,3,4-Trisphosphate 5/6 Kinase		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90226	Strand	-
Start	24	End	343
Name	OJ000450_06.0410.C10.o1.gs	Method	GENSCAN
Start	24	End	343
GI	none	Score	.96
Exons	24..343		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90227	Strand	-
Start	5805	End	10346
Name	OJ000450_06.0410.C10.o1.np	Method	AAT/NAP
Start	5805	End	7681
GI	5734715	Score	310

Exons	5805..5835, 7073..7681		
GI Descrip.	(AC008075) Similar to gb\|AF110333 PrMC3 protein from Pinus radiata and is a member of PF\|00135 Carboxylesterases family. EST gb\|N37841 comes from this gene. [Arabidopsis thaliana]		
Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90227	Strand	-
Start	5805	End	10346
Name	OJ000450_06.0410.C10.o4.gs	Method	GENSCAN
Start	6806	End	7873
GI	none	Score	.9
Exons	6806..7873		
Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90227	Strand	-
Start	5805	End	10346
Name	OJ000450_06.0410.C10.o2.np	Method	AAT/NAP
Start	6818	End	9809
GI	5734715	Score	306
Exons	6818..7687, 9666..9809		
GI Descrip.	(AC008075) Similar to gb\|AF110333 PrMC3 protein from Pinus radiata and is a member of PF\|00135 Carboxylesterases family. EST gb\|N37841 comes from this gene. [Arabidopsis thaliana]		
Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90227	Strand	-
Start	5805	End	10346
Name	OJ000450_06.0410.C10.o5.gs	Method	GENSCAN
Start	9306	End	10346
GI	none	Score	1
Exons	9306..10346		
Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90228	Strand	-
Start	12206	End	13282
Name	OJ000450_06.0410.C10.o6.gs	Method	GENSCAN
Start	12206	End	13282
GI	none	Score	.99
Exons	12206..13282		
Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90229	Strand	-
Start	22729	End	24903
Name	OJ000450_06.0410.C10.o2.gp	Method	AAT/GAP
Start	22511	End	23175
GI	35649_1.R1084	Score	610
Exons	22511..22612, 22689..22966, 23126..23175		
GI Descrip.	'4454038/emb\|CAA23035.1\| 4.0e-29 (AL035394) putative disease resistance response protein [Arabidopsis thaliana]'		
Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90229	Strand	-
Start	22729	End	24903
Name	OJ000450_06.0410.C10.o11.gs	Method	GENSCAN
Start	22729	End	24903
GI	none	Score	.84
Exons	22729..22746, 22770..22966, 23126..23300, 24439..24903		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90229	Strand	-
Start	22729	End	24903
Name	OJ000450_06.0410.C10.o3.gp	Method	AAT/GAP
Start	23550	End	23913
GI	uC-osrocyp031c04b1	Score	597
Exons	23550..23913		
GI Descrip.	'1707032 2.0e-15 (U80445) coded for by C. elegans cDNA yk13g5.3; coded for by C. elegans cDNA yk21g6.3; coded for by C. elegans cDNA CEMSE18F; coded for by C. elegans cDNA yk126b1.3; coded for by C. elegans cDNA yk65h8.3; coded for by C. elegans cDNA yk65h8'		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90230	Strand	-
Start	34255	End	40065
Name	OJ000450_06.0410.C10.o6.np	Method	AAT/NAP
Start	34255	End	40020
GI	7303287	Score	1843
Exons	34255..34287, 35638..35952, 36068..36319, 36635..36844, 37429..37590, 37683..37867, 37969..38285, 38864..38984, 39057..40020		
GI Descrip.	(AE003817) CG6197 gene product [Drosophila melanogaster]		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90230	Strand	-
Start	34255	End	40065
Name	OJ000450_06.0410.C10.o13.gs	Method	GENSCAN
Start	35512	End	40065
GI	none	Score	.96
Exons	35512..35970, 36068..36319, 36635..36835, 37420..37590, 37683..37867, 37960..38285, 38864..40065		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90230	Strand	-
Start	34255	End	40065
Name	OJ000450_06.0410.C10.o7.gp	Method	AAT/GAP
Start	37505	End	38044
GI	4878395	Score	642
Exons	37505..37590, 37683..37867, 37960..38044		
GI Descrip.	1707032 2.0e-15 (U80445) coded for by C. elegans cDNA yk13g5.3; coded for by C. elegans cDNA yk21g6.3; coded for by C. elegans cDNA CEMSE18F; coded for by C. elegans cDNA yk126b1.3; coded for by C. elegans cDNA yk65h8.3; coded for by C. elegans cDNA yk65h8		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90231	Strand	-
Start	41266	End	42137
Name	OJ000450_06.0410.C10.o14.gs	Method	GENSCAN
Start	41266	End	42137
GI	none	Score	.79
Exons	41266..41294, 41516..41669, 41922..42137		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90232	Strand	-
Start	45154	End	45301

Name	OJ000450_06.0410.C10.o1.tw	Method	TBLASTX:Wheat
Start	2	End	13202
GI	none	Score	130
Exons	2..85, 50..271, 102..272, 7497..7556, 7505..7558, 7608..7811, 7616..7828, 9999..10067, 10119..10169, 10120..10311, 10215..10310, 12905..12973, 12912..12971, 13007..13063, 13011..13085, 13113..13202, 13127..13201		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90232	Strand	-
Start	45154	End	45301
Name	OJ000450_06.0410.C10.o4.tm	Method	TBLASTX:Maize
Start	2	End	13204
GI	none	Score	116
Exons	2..76, 101..202, 102..197, 7154..7333, 7197..7391, 7370..7558, 7521..7556, 7614..7709, 7616..7693, 7679..7828, 7680..7811, 9673..9747, 9675..9755, 9801..9878, 9805..9930, 9897..10016, 9933..9995, 9981..10067, 10054..10068, 10119..10169, 10212..10343, 10222..10311, 12552..12752, 12554..12751, 12746..12772, 12770..12973, 12912..12971, 13007..13096, 13011..13085, 13107..13202, 13121..13204, 13121..13201		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90232	Strand	-
Start	45154	End	45301
Name	OJ000450_06.0410.C10.o3.tc	Method	TBLASTX:Cress
Start	2	End	12853
GI	none	Score	69
Exons	2..76, 7070..7141, 7071..7142, 7154..7258, 7268..7327, 7388..7558, 9591..9662, 9675..9755, 9804..9857, 9900..9998, 9981..10067, 12470..12541, 12474..12524, 12554..12622, 12555..12623, 12668..12721, 12675..12722, 12773..12853		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90232	Strand	-
Start	45154	End	45301
Name	OJ000450_06.0410.C10.o6.tm	Method	TBLASTX:Maize
Start	6824	End	12494
GI	none	Score	231
Exons	6824..7093, 6825..7094, 9391..9537, 9393..9566, 9564..9614, 9583..9615, 12230..12310, 12230..12493, 12234..12494		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90232	Strand	-
Start	45154	End	45301
Name	OJ000450_06.0410.C10.o1.ts	Method	TBLASTX:Soybean
Start	6827	End	12853
GI	none	Score	74
Exons	6827..7033, 7055..7141, 7056..7142, 7154..7258, 7227..7319, 7262..7321, 7388..7558, 9396..9539, 9397..9540, 9585..9644, 9592..9645, 9675..9755, 9804..9857, 9909..10016, 9993..10067, 12230..12430, 12288..12431, 12464..12541, 12474..12599, 12554..12640, 12627..12719, 12662..12721, 12782..12853		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90232	Strand	-
Start	45154	End	45301

Name	OJ000450_06.0410.C10.o2.tc	Method	TBLASTX:Cress
Start	18493	End	21745
GI	none	Score	48
Exons	18493..18540, 18619..18666, 18691..18975, 18765..18950, 21245..21292, 21380..21415, 21466..21735, 21467..21745		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90232	Strand	-
Start	45154	End	45301
Name	OJ000450_06.0410.C10.o5.tm	Method	TBLASTX:Maize
Start	22431	End	23322
GI	none	Score	170
Exons	22431..22616, 22471..22623, 22495..22614, 22529..22615, 22647..22961, 22685..22837, 22686..22967, 22735..22962, 23120..23245, 23121..23303, 23121..23300, 23128..23322, 23140..23322		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90232	Strand	-
Start	45154	End	45301
Name	OJ000450_06.0410.C10.o4.ts	Method	TBLASTX:Soybean
Start	22719	End	24624
GI	none	Score	71
Exons	22719..22820, 22719..22961, 22738..22956, 22871..22957, 23127..23300, 23140..23313, 23142..23303, 24464..24622, 24499..24624		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90232	Strand	-
Start	45154	End	45301
Name	OJ000450_06.0410.C10.o3.tm	Method	TBLASTX:Maize
Start	26404	End	28652
GI	none	Score	67
Exons	26404..26463, 26405..26491, 26432..26851, 26434..26799, 26492..26818, 26760..26849, 26846..26926, 26854..26925, 26864..26926, 26927..27019, 26927..27013, 26929..27018, 26953..27003, 28499..28621, 28500..28637, 28503..28652		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90232	Strand	-
Start	45154	End	45301
Name	OJ000450_06.0410.C10.o7.tm	Method	TBLASTX:Maize
Start	28658	End	28961
GI	none	Score	69
Exons	28658..28723, 28658..28726, 28659..28739, 28662..28733, 28749..28955, 28752..28961, 28778..28957		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90232	Strand	-
Start	45154	End	45301
Name	OJ000450_06.0410.C10.o9.tm	Method	TBLASTX:Maize
Start	32953	End	33302
GI	none	Score	64
Exons	32953..33021, 32970..33020, 32974..33021, 33120..33302, 33123..33290, 33124..33297		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10

Gene No.	90232	Strand	-
Start	45154	End	45301
Name	OJ000450_06.0410.C10.o2.ts	Method	TBLASTX:Soybean
Start	32997	End	33897
GI	none	Score	38
Exons	32997..33026, 33102..33380, 33121..33381, 33308..33388, 33309..33386, 33790..33897, 33790..33885		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90232	Strand	-
Start	45154	End	45301
Name	OJ000450_06.0410.C10.o10.tm	Method	TBLASTX:Maize
Start	33303	End	33963
GI	none	Score	133
Exons	33303..33380, 33304..33381, 33790..33963, 33799..33960		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90232	Strand	-
Start	45154	End	45301
Name	OJ000450_06.0410.C10.o5.ts	Method	TBLASTX:Soybean
Start	33898	End	34724
GI	none	Score	77
Exons	33898..33993, 34365..34544, 34392..34544, 34611..34724		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90232	Strand	-
Start	45154	End	45301
Name	OJ000450_06.0410.C10.o5.tc	Method	TBLASTX:Cress
Start	33904	End	34760
GI	none	Score	97
Exons	33904..33993, 34368..34544, 34370..34537, 34608..34757, 34611..34760		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90232	Strand	-
Start	45154	End	45301
Name	OJ000450_06.0410.C10.o8.tm	Method	TBLASTX:Maize
Start	34401	End	34790
GI	none	Score	175
Exons	34401..34544, 34403..34531, 34601..34789, 34608..34790		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90232	Strand	-
Start	45154	End	45301
Name	OJ000450_06.0410.C10.o1.tm	Method	TBLASTX:Maize
Start	35392	End	37591
GI	none	Score	48
Exons	35392..35460, 35393..35464, 35453..35470, 35501..35581, 35503..35604, 35510..35566, 35572..35658, 35583..35705, 35759..35824, 35767..35790, 35845..35973, 35846..35965, 35847..35972, 35848..35973, 36058..36177, 36068..36181, 36069..36176, 36175..36321, 36179..36328, 36183..36320, 36600..36836, 36620..36838, 36639..36839, 36640..36837, 37410..37523, 37419..37547, 37420..37554, 37420..37530, 37527..37586, 37529..37591, 37531..37590		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10

Gene No.	90232	Strand	-
Start	45154	End	45301
Name	OJ000450_06.0410.C10.o4.tc	Method	TBLASTX:Cress
Start	35846	End	36203
GI	none	Score	44
Exons	35846..35881, 35848..35880, 35878..35973, 35884..35973, 36068..36202, 36069..36194, 36087..36203		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90232	Strand	-
Start	45154	End	45301
Name	OJ000450_06.0410.C10.o3.ts	Method	TBLASTX:Soybean
Start	36248	End	36841
GI	none	Score	87
Exons	36248..36328, 36252..36320, 36597..36836, 36620..36841		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90232	Strand	-
Start	45154	End	45301
Name	OJ000450_06.0410.C10.o1.tc	Method	TBLASTX:Cress
Start	37474	End	38029
GI	none	Score	93
Exons	37474..37593, 37485..37598, 37485..37598, 37487..37603, 37644..37865, 37678..37869, 37681..37866, 37682..37870, 37727..37870, 37961..38029, 37968..38018		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90232	Strand	-
Start	45154	End	45301
Name	OJ000450_06.0410.C10.o2.tm	Method	TBLASTX:Maize
Start	37729	End	39114
GI	none	Score	80
Exons	37729..37839, 37729..37791, 37731..37808, 37794..37868, 37794..37868, 37795..37869, 37961..38287, 37962..38288, 37962..38288, 37991..38179, 38114..38299, 38850..39014, 38863..39039, 39001..39042, 39088..39114		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90232	Strand	-
Start	45154	End	45301
Name	OJ000450_06.0410.C10.o6.tc	Method	TBLASTX:Cress
Start	38133	End	39021
GI	none	Score	102
Exons	38133..38285, 38138..38287, 38863..39021		

Seq. No.	43078	Seq. ID	OJ000450_06.0410.C10
Gene No.	90232	Strand	-
Start	45154	End	45301
Name	OJ000450_06.0410.C10.o15.gs	Method	GENSCAN
Start	45154	End	45301
GI	none	Score	.71
Exons	45154..45198, 45224..45301		

Seq. No.	43079	Seq. ID	OJ000450_06.0410.C11
Gene No.	90233	Strand	+
Start	6049	End	13239
Name	OJ000450_06.0410.C11.o2.gs	Method	GENSCAN

Start	6049	End	10759
GI	none	Score	.52
Exons	6049..6289, 6961..7003, 7159..7326, 8125..8226, 8288..8637, 9762..10467, 10511..10617, 10725..10759		

Seq. No.	43079	Seq. ID	OJ000450_06.0410.C11
Gene No.	90233	Strand	+
Start	6049	End	13239
Name	OJ000450_06.0410.C11.o1.gp	Method	AAT/GAP
Start	9660	End	10171
GI	uC-osflM202052c07b1	Score	995
Exons	9660..10171		
GI Descrip.	'4234848 1.0e-12 (AF082131) gag-pol polyprotein [Zea mays]'		

Seq. No.	43079	Seq. ID	OJ000450_06.0410.C11
Gene No.	90233	Strand	+
Start	6049	End	13239
Name	OJ000450_06.0410.C11.o1.np	Method	AAT/NAP
Start	9770	End	13239
GI	7489738	Score	2230
Exons	9770..9946, 9980..13239		
GI Descrip.	gag-pol polyprotein - maize copia-like retrotransposon Sto-4 gi\|4234852\|gb\|AAD12997.1\| (AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	43079	Seq. ID	OJ000450_06.0410.C11
Gene No.	90233	Strand	+
Start	6049	End	13239
Name	OJ000450_06.0410.C11.o2.gp	Method	AAT/GAP
Start	10403	End	10976
GI	uC-osflcyp006a10b1	Score	842
Exons	10403..10617, 10725..10976		
GI Descrip.	'4234846 7.0e-13 (AF082130) gag-pol polyprotein [Zea mays]'		

Seq. No.	43079	Seq. ID	OJ000450_06.0410.C11
Gene No.	90234	Strand	-
Start	742	End	5527
Name	OJ000450_06.0410.C11.o1.gs	Method	GENSCAN
Start	742	End	5527
GI	none	Score	.57
Exons	742..930, 1499..1635, 1733..1853, 1893..2103, 4128..4173, 4664..4735, 5344..5527		

Seq. No.	43079	Seq. ID	OJ000450_06.0410.C11
Gene No.	90235	Strand	-
Start	11322	End	13360
Name	OJ000450_06.0410.C11.o1.tm	Method	TBLASTX:Maize
Start	9863	End	10465
GI	none	Score	467
Exons	9863..10441, 9985..10431, 10187..10465		

Seq. No.	43079	Seq. ID	OJ000450_06.0410.C11
Gene No.	90235	Strand	-
Start	11322	End	13360
Name	OJ000450_06.0410.C11.o3.gs	Method	GENSCAN
Start	11322	End	13360
GI	none	Score	.79

Exons	11322..11545, 13187..13360		
Seq. No.	43079	Seq. ID	OJ000450_06.0410.C11
Gene No.	90235	Strand	-
Start	11322	End	13360
Name	OJ000450_06.0410.C11.o1.ts	Method	TBLASTX:Soybean
Start	11722	End	12144
GI	5509260	Score	121
Exons	11722..11754, 11730..11888, 11850..12083, 11869..12144		
GI Descrip.	-		
Seq. No.	43079	Seq. ID	OJ000450_06.0410.C11
Gene No.	90235	Strand	-
Start	11322	End	13360
Name	OJ000450_06.0410.C11.o1.tw	Method	TBLASTX:Wheat
Start	11850	End	12633
GI	none	Score	41
Exons	11850..11888, 11869..12135, 11886..12134, 12140..12223, 12230..12448, 12258..12494, 12266..12448, 12427..12633, 12435..12629		
Seq. No.	43079	Seq. ID	OJ000450_06.0410.C11
Gene No.	90235	Strand	-
Start	11322	End	13360
Name	OJ000450_06.0410.C11.o3.tm	Method	TBLASTX:Maize
Start	11869	End	12316
GI	none	Score	220
Exons	11869..12144, 11886..12134, 12230..12316		
Seq. No.	43079	Seq. ID	OJ000450_06.0410.C11
Gene No.	90235	Strand	-
Start	11322	End	13360
Name	OJ000450_06.0410.C11.o2.tm	Method	TBLASTX:Maize
Start	12439	End	12723
GI	none	Score	228
Exons	12439..12723, 12573..12713		
Seq. No.	43079	Seq. ID	OJ000450_06.0410.C11
Gene No.	90235	Strand	-
Start	11322	End	13360
Name	OJ000450_06.0410.C11.o2.ts	Method	TBLASTX:Soybean
Start	12619	End	13185
GI	none	Score	85
Exons	12619..12771, 12819..12965, 12994..13185		
Seq. No.	43079	Seq. ID	OJ000450_06.0410.C11
Gene No.	90235	Strand	-
Start	11322	End	13360
Name	OJ000450_06.0410.C11.o2.tw	Method	TBLASTX:Wheat
Start	12792	End	13188
GI	none	Score	135
Exons	12792..12965, 12824..12964, 12973..13188		
Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90236	Strand	+
Start	3067	End	6270
Name	OJ000450_06.0410.C12.o2.gs	Method	GENSCAN

Start	3067	End	6270
GI	none	Score	.97
Exons	3067..3105, 3941..4582, 4963..5113, 5750..5922, 6163..6270		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90237	Strand	+
Start	7777	End	17718
Name	OJ000450_06.0410.C12.o3.gs	Method	GENSCAN
Start	7777	End	17718
GI	none	Score	.53
Exons	7777..7932, 8377..8484, 8583..8765, 9369..10130, 10472..10621, 10734..10980, 12505..12561, 14149..14274, 14660..15036, 15114..15362, 16036..16137, 16496..16789, 16846..16889, 17198..17224, 17703..17718		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90237	Strand	+
Start	7777	End	17718
Name	OJ000450_06.0410.C12.o2.gp	Method	AAT/GAP
Start	16583	End	17141
GI	none	Score	1021
Exons	16583..17141		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90238	Strand	+
Start	19087	End	25179
Name	OJ000450_06.0410.C12.o2.np	Method	AAT/NAP
Start	19087	End	25143
GI	5922631	Score	6704
Exons	19087..19211, 19470..19714, 19949..20151, 20197..20768, 20811..20959, 21086..22009, 22616..25143		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi\|6016864\|dbj\|BAA85207.1\| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90238	Strand	+
Start	19087	End	25179
Name	OJ000450_06.0410.C12.o4.gs	Method	GENSCAN
Start	19087	End	25179
GI	none	Score	.4
Exons	19087..22001, 22098..25179		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90239	Strand	+
Start	29416	End	30477
Name	OJ000450_06.0410.C12.o6.gs	Method	GENSCAN
Start	29416	End	30477
GI	none	Score	.95
Exons	29416..29459, 29940..30108, 30127..30477		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90240	Strand	+

Start	36735	End	38385
Name	OJ000450_06.0410.C12.o8.gs	Method	GENSCAN
Start	36735	End	38385
GI	none	Score	.95
Exons	36735..37093, 37292..37412, 37887..38036, 38149..38385		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90240	Strand	+
Start	36735	End	38385
Name	OJ000450_06.0410.C12.o3.gp	Method	AAT/GAP
Start	36821	End	37224
GI	none	Score	772
Exons	36821..37224		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90241	Strand	-
Start	1100	End	1726
Name	OJ000450_06.0410.C12.o1.gs	Method	GENSCAN
Start	1100	End	1726
GI	none	Score	.85
Exons	1100..1726		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90242	Strand	-
Start	6425	End	6828
Name	OJ000450_06.0410.C12.o1.gp	Method	AAT/GAP
Start	6425	End	6828
GI	LIB3474-002-P1-K1-C3	Score	808
Exons	6425..6828		
GI Descrip.	'1707032 2.0e-15 (U80445) coded for by C. elegans cDNA yk13g5.3; coded for by C. elegans cDNA yk21g6.3; coded for by C. elegans cDNA CEMSE18F; coded for by C. elegans cDNA yk126b1.3; coded for by C. elegans cDNA yk65h8.3; coded for by C. elegans cDNA yk65h8'		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90243	Strand	-
Start	25495	End	28436
Name	OJ000450_06.0410.C12.o5.gs	Method	GENSCAN
Start	25495	End	28436
GI	none	Score	.85
Exons	25495..25943, 26016..26120, 26193..26382, 26458..26645, 26765..27226, 27264..27465, 27552..28436		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90243	Strand	-
Start	25495	End	28436
Name	OJ000450_06.0410.C12.o3.np	Method	AAT/NAP
Start	25498	End	28436
GI	6691716	Score	2306
Exons	25498..25943, 26016..26128, 26279..26382, 26458..26652, 26829..27096, 27179..27354, 27552..28436		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12

Gene No.	90244	Strand	-
Start	31180	End	35472
Name	OJ000450_06.0410.C12.o7.gs	Method	GENSCAN
Start	31180	End	35472
GI	none	Score	.65
Exons	31180..31211, 32056..32186, 32897..32910, 34355..34375, 35398..35472		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90245	Strand	-
Start	38898	End	40723
Name	OJ000450_06.0410.C12.o9.gs	Method	GENSCAN
Start	38898	End	40723
GI	none	Score	.61
Exons	38898..39409, 40339..40456, 40712..40723		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90245	Strand	-
Start	38898	End	40723
Name	OJ000450_06.0410.C12.o4.np	Method	AAT/NAP
Start	38901	End	39498
GI	3776578	Score	311
Exons	38901..39498		
GI Descrip.	(AC005388) ESTs gb\|F13915 and gb\|F13916 come from this gene. [Arabidopsis thaliana]		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90245	Strand	-
Start	38898	End	40723
Name	OJ000450_06.0410.C12.o4.gp	Method	AAT/GAP
Start	39077	End	40571
GI	29656_1.R1084	Score	1088
Exons	39077..39409, 40339..40571		
GI Descrip.	'3776578 2.0e-21 (AC005388) ESTs gb_F13915 and gb_F13916 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90246	Strand	-
Start	41181	End	41258
Name	OJ000450_06.0410.C12.o5.gp	Method	AAT/GAP
Start	41181	End	41258
GI	3760640	Score	82
Exons	41181..41258		
GI Descrip.	4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90247	Strand	-
Start	41941	End	44463
Name	OJ000450_06.0410.C12.o9.tm	Method	TBLASTX:Maize
Start	4492	End	5118
GI	none	Score	131
Exons	4492..4587, 4493..4588, 4959..5111, 4960..5118, 4961..5110, 4966..5112		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90247	Strand	-

Start	41941	End	44463
Name	OJ000450_06.0410.C12.o8.tw	Method	TBLASTX:Wheat
Start	20373	End	20775
GI	none	Score	283
Exons	20373..20642, 20374..20775		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90247	Strand	-
Start	41941	End	44463
Name	OJ000450_06.0410.C12.o1.tw	Method	TBLASTX:Wheat
Start	21349	End	22146
GI	none	Score	149
Exons	21349..21525, 21412..21525, 21570..21806, 21574..21804, 21853..22146, 21903..22142		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90247	Strand	-
Start	41941	End	44463
Name	OJ000450_06.0410.C12.o5.ts	Method	TBLASTX:Soybean
Start	22066	End	22431
GI	none	Score	138
Exons	22066..22290, 22297..22431		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90247	Strand	-
Start	41941	End	44463
Name	OJ000450_06.0410.C12.o9.tw	Method	TBLASTX:Wheat
Start	22147	End	22381
GI	none	Score	281
Exons	22147..22380, 22167..22379, 22168..22380, 22217..22381		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90247	Strand	-
Start	41941	End	44463
Name	OJ000450_06.0410.C12.o4.tm	Method	TBLASTX:Maize
Start	22156	End	22512
GI	none	Score	367
Exons	22156..22512, 22197..22502, 22219..22512		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90247	Strand	-
Start	41941	End	44463
Name	OJ000450_06.0410.C12.o3.tw	Method	TBLASTX:Wheat
Start	22381	End	22800
GI	none	Score	470
Exons	22381..22800, 22383..22799		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90247	Strand	-
Start	41941	End	44463
Name	OJ000450_06.0410.C12.o2.ts	Method	TBLASTX:Soybean
Start	22675	End	23076
GI	none	Score	318
Exons	22675..23076, 22692..22835, 22872..23042		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90247	Strand	-

Start	41941	End	44463
Name	OJ000450_06.0410.C12.o3.tm	Method	TBLASTX:Maize
Start	22743	End	23187
GI	none	Score	272
Exons	22743..22997, 22744..22998, 23019..23150, 23020..23163, 23161..23187		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90247	Strand	-
Start	41941	End	44463
Name	OJ000450_06.0410.C12.o7.tw	Method	TBLASTX:Wheat
Start	22845	End	23274
GI	none	Score	415
Exons	22845..23117, 22846..23274		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90247	Strand	-
Start	41941	End	44463
Name	OJ000450_06.0410.C12.o4.ts	Method	TBLASTX:Soybean
Start	23302	End	23690
GI	none	Score	88
Exons	23302..23406, 23310..23690, 23446..23688		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90247	Strand	-
Start	41941	End	44463
Name	OJ000450_06.0410.C12.o6.tw	Method	TBLASTX:Wheat
Start	23311	End	23733
GI	none	Score	415
Exons	23311..23733, 23319..23723		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90247	Strand	-
Start	41941	End	44463
Name	OJ000450_06.0410.C12.o7.tm	Method	TBLASTX:Maize
Start	23563	End	23817
GI	none	Score	192
Exons	23563..23817		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90247	Strand	-
Start	41941	End	44463
Name	OJ000450_06.0410.C12.o11.tw	Method	TBLASTX:Wheat
Start	23749	End	24048
GI	none	Score	134
Exons	23749..23883, 23908..24048		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90247	Strand	-
Start	41941	End	44463
Name	OJ000450_06.0410.C12.o2.tm	Method	TBLASTX:Maize
Start	24046	End	24408
GI	none	Score	447
Exons	24046..24369, 24066..24356, 24360..24407, 24361..24408		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90247	Strand	-

Start	41941	End	44463
Name	OJ000450_06.0410.C12.o5.tw	Method	TBLASTX:Wheat
Start	24051	End	24438
GI	none	Score	420
Exons	24051..24362, 24052..24438, 24253..24438		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90247	Strand	-
Start	41941	End	44463
Name	OJ000450_06.0410.C12.o8.tm	Method	TBLASTX:Maize
Start	24510	End	24783
GI	none	Score	95
Exons	24510..24617, 24511..24609, 24600..24674, 24604..24687, 24697..24783		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90247	Strand	-
Start	41941	End	44463
Name	OJ000450_06.0410.C12.o4.tw	Method	TBLASTX:Wheat
Start	24553	End	25167
GI	none	Score	349
Exons	24553..25044, 24573..24662, 24714..24815, 25030..25167		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90247	Strand	-
Start	41941	End	44463
Name	OJ000450_06.0410.C12.o6.tm	Method	TBLASTX:Maize
Start	24895	End	25128
GI	none	Score	148
Exons	24895..25047, 24996..25046, 25026..25127, 25027..25128		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90247	Strand	-
Start	41941	End	44463
Name	OJ000450_06.0410.C12.o10.tw	Method	TBLASTX:Wheat
Start	28026	End	28316
GI	none	Score	211
Exons	28026..28316		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90247	Strand	-
Start	41941	End	44463
Name	OJ000450_06.0410.C12.o1.tm	Method	TBLASTX:Maize
Start	38898	End	40547
GI	none	Score	56
Exons	38898..38951, 38961..39395, 38963..39391, 39016..39396, 39388..39447, 40331..40414, 40335..40415, 40509..40547, 40521..40547		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90247	Strand	-
Start	41941	End	44463
Name	OJ000450_06.0410.C12.o1.tc	Method	TBLASTX:Cress
Start	38955	End	39405
GI	none	Score	250
Exons	38955..39395, 39016..39405		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90247	Strand	-
Start	41941	End	44463
Name	OJ000450_06.0410.C12.o2.tw	Method	TBLASTX:Wheat
Start	38966	End	39322
GI	none	Score	367
Exons	38966..39319, 38967..39320, 39016..39321, 39263..39322		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90247	Strand	-
Start	41941	End	44463
Name	OJ000450_06.0410.C12.o1.ts	Method	TBLASTX:Soybean
Start	38991	End	39404
GI	none	Score	217
Exons	38991..39404, 39016..39387		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90247	Strand	-
Start	41941	End	44463
Name	OJ000450_06.0410.C12.o10.gs	Method	GENSCAN
Start	41941	End	44209
GI	none	Score	.46
Exons	41941..42016, 42061..42175, 42462..42541, 43053..43165, 43807..44013, 44174..44209		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90247	Strand	-
Start	41941	End	44463
Name	OJ000450_06.0410.C12.o5.tm	Method	TBLASTX:Maize
Start	43034	End	44249
GI	none	Score	108
Exons	43034..43129, 43035..43166, 43043..43168, 43047..43166, 43798..43998, 43805..44014, 43807..44016, 43959..44021, 44168..44248, 44169..44249		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90247	Strand	-
Start	41941	End	44463
Name	OJ000450_06.0410.C12.o3.ts	Method	TBLASTX:Soybean
Start	43046	End	44248
GI	none	Score	132
Exons	43046..43168, 43050..43166, 43805..43915, 43807..43914, 43898..44014, 43906..44016, 44168..44248, 44169..44237		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90247	Strand	-
Start	41941	End	44463
Name	OJ000450_06.0410.C12.o5.np	Method	AAT/NAP
Start	43049	End	44463
GI	7486992	Score	388
Exons	43049..43165, 43807..44013, 44174..44463		
GI Descrip.	hypothetical protein T13L16.5 - Arabidopsis thaliana gi\|6598526\|gb\|AAD20114.2\| (AC006201) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43080	Seq. ID	OJ000450_06.0410.C12
Gene No.	90247	Strand	-

Start	41941	End	44463
Name	OJ000450_06.0410.C12.o6.gp	Method	AAT/GAP
Start	43124	End	44250
GI	10061_1.R1084	Score	582
Exons	43124..43165, 43807..44013, 44174..44250		
GI Descrip.	'4454038/emb\|CAA23035.1\| 4.0e-29 (AL035394) putative disease resistance response protein [Arabidopsis thaliana]'		

Seq. No.	43081	Seq. ID	OJ000450_06.0410.C17
Gene No.	90248	Strand	+
Start	755	End	960
Name	OJ000450_06.0410.C17.o1.gs	Method	GENSCAN
Start	755	End	960
GI	none	Score	.75
Exons	755..960		

Seq. No.	43082	Seq. ID	OJ000450_00.0410.C2
Gene No.	90249	Strand	+
Start	248	End	1418
Name	OJ000450_00.0410.C2.o1.gs	Method	GENSCAN
Start	248	End	1418
GI	none	Score	.71
Exons	248..635, 791..876, 972..1090, 1172..1267, 1376..1418		

Seq. No.	43082	Seq. ID	OJ000450_00.0410.C2
Gene No.	90250	Strand	-
Start	3250	End	5199
Name	OJ000450_00.0410.C2.o2.gs	Method	GENSCAN
Start	3250	End	5199
GI	none	Score	.42
Exons	3250..3819, 4641..4707, 4776..4966, 5113..5199		

Seq. No.	43082	Seq. ID	OJ000450_00.0410.C2
Gene No.	90250	Strand	-
Start	3250	End	5199
Name	OJ000450_00.0410.C2.o1.np	Method	AAT/NAP
Start	3256	End	3717
GI	4959710	Score	482
Exons	3256..3717		
GI Descrip.	(AF135596) Skp1 [Medicago sativa]		

Seq. No.	43082	Seq. ID	OJ000450_00.0410.C2
Gene No.	90251	Strand	-
Start	7751	End	7983
Name	OJ000450_00.0410.C2.o1.tm	Method	TBLASTX:Maize
Start	3241	End	3727
GI	none	Score	69
Exons	3241..3396, 3254..3460, 3256..3507, 3499..3726, 3536..3727		

Seq. No.	43082	Seq. ID	OJ000450_00.0410.C2
Gene No.	90251	Strand	-
Start	7751	End	7983
Name	OJ000450_00.0410.C2.o1.tc	Method	TBLASTX:Cress
Start	3256	End	3715
GI	none	Score	83
Exons	3256..3498, 3257..3460, 3535..3708, 3536..3715		

Seq. No.	43082	Seq. ID	OJ000450_00.0410.C2
Gene No.	90251	Strand	-
Start	7751	End	7983
Name	OJ000450_00.0410.C2.o1.ts	Method	TBLASTX:Soybean
Start	3256	End	3670
GI	none	Score	94
Exons	3256..3498, 3257..3460, 3535..3660, 3536..3670		

Seq. No.	43082	Seq. ID	OJ000450_00.0410.C2
Gene No.	90251	Strand	-
Start	7751	End	7983
Name	OJ000450_00.0410.C2.o1.tw	Method	TBLASTX:Wheat
Start	3304	End	3615
GI	none	Score	65
Exons	3304..3498, 3314..3460, 3535..3615		

Seq. No.	43082	Seq. ID	OJ000450_00.0410.C2
Gene No.	90251	Strand	-
Start	7751	End	7983
Name	OJ000450_00.0410.C2.o3.gs	Method	GENSCAN
Start	7751	End	7983
GI	none	Score	.86
Exons	7751..7901, 7964..7983		

Seq. No.	43083	Seq. ID	OJ000450_00.0410.C4
Gene No.	90252	Strand	-
Start	108	End	626
Name	OJ000450_00.0410.C4.o1.tc	Method	TBLASTX:Cress
Start	30	End	581
GI	none	Score	118
Exons	30..113, 114..362, 130..294, 402..488, 408..485, 468..581, 469..564		

Seq. No.	43083	Seq. ID	OJ000450_00.0410.C4
Gene No.	90252	Strand	-
Start	108	End	626
Name	OJ000450_00.0410.C4.o1.gs	Method	GENSCAN
Start	108	End	626
GI	none	Score	.67
Exons	108..626		

Seq. No.	43083	Seq. ID	OJ000450_00.0410.C4
Gene No.	90252	Strand	-
Start	108	End	626
Name	OJ000450_00.0410.C4.o1.np	Method	AAT/NAP
Start	114	End	611
GI	7378764	Score	430
Exons	114..611		
GI Descrip.	(AJ277096) putative kinetochore protein [Hordeum vulgare]		

Seq. No.	43083	Seq. ID	OJ000450_00.0410.C4
Gene No.	90252	Strand	-
Start	108	End	626
Name	OJ000450_00.0410.C4.o1.ts	Method	TBLASTX:Soybean
Start	114	End	582
GI	none	Score	120
Exons	114..356, 121..294, 402..488, 402..488, 468..542, 477..497,		

523..582

Seq. No.	43083	Seq. ID	OJ000450_00.0410.C4
Gene No.	90252	Strand	-
Start	108	End	626
Name	OJ000450_00.0410.C4.o1.tw	Method	TBLASTX:Wheat
Start	162	End	579
GI	none	Score	94
Exons	162..356, 402..539, 414..500,	526..579	

Seq. No.	43083	Seq. ID	OJ000450_00.0410.C4
Gene No.	90252	Strand	-
Start	108	End	626
Name	OJ000450_00.0410.C4.o1.tm	Method	TBLASTX:Maize
Start	168	End	584
GI	none	Score	167
Exons	168..488, 168..533, 468..584,	469..564	

Seq. No.	43084	Seq. ID	OJ000450_00.0410.C5
Gene No.	90253	Strand	+
Start	1594	End	2714
Name	OJ000450_00.0410.C5.o1.gp	Method	AAT/GAP
Start	1594	End	2714
GI	none	Score	1123
Exons	1594..1738, 2137..2248, 2347..	2714	

Seq. No.	43084	Seq. ID	OJ000450_00.0410.C5
Gene No.	90254	Strand	+
Start	4695	End	4932
Name	OJ000450_00.0410.C5.o1.np	Method	AAT/NAP
Start	4695	End	4932
GI	7228441	Score	95
Exons	4695..4932		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	43084	Seq. ID	OJ000450_00.0410.C5
Gene No.	90255	Strand	-
Start	5600	End	9000
Name	OJ000450_00.0410.C5.o2.np	Method	AAT/NAP
Start	5600	End	9000
GI	7489738	Score	2358
Exons	5600..9000		
GI Descrip.	gag-pol polyprotein - maize copia-like retrotransposon Sto-4 gi\|4234852\|gb\|AAD12997.1\| (AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	43084	Seq. ID	OJ000450_00.0410.C5
Gene No.	90255	Strand	-
Start	5600	End	9000
Name	OJ000450_00.0410.C5.o3.tm	Method	TBLASTX:Maize
Start	5639	End	6143
GI	none	Score	84
Exons	5639..5830, 5865..6056, 6039..	6143	

Seq. No.	43084	Seq. ID	OJ000450_00.0410.C5
Gene No.	90255	Strand	-
Start	5600	End	9000

Name	OJ000450_00.0410.C5.o2.tw	Method	TBLASTX:Wheat
Start	5651	End	6051
GI	none	Score	98
Exons	5651..5866, 5874..6047, 5875..6051		

Seq. No.	43084	Seq. ID	OJ000450_00.0410.C5
Gene No.	90255	Strand	-
Start	5600	End	9000
Name	OJ000450_00.0410.C5.o2.ts	Method	TBLASTX:Soybean
Start	5654	End	6220
GI	none	Score	76
Exons	5654..5845, 5874..6026, 6039..6143, 6146..6220		

Seq. No.	43084	Seq. ID	OJ000450_00.0410.C5
Gene No.	90255	Strand	-
Start	5600	End	9000
Name	OJ000450_00.0410.C5.o2.tm	Method	TBLASTX:Maize
Start	6146	End	6541
GI	none	Score	97
Exons	6146..6406, 6147..6266, 6380..6541		

Seq. No.	43084	Seq. ID	OJ000450_00.0410.C5
Gene No.	90255	Strand	-
Start	5600	End	9000
Name	OJ000450_00.0410.C5.o1.tw	Method	TBLASTX:Wheat
Start	6206	End	6983
GI	none	Score	117
Exons	6206..6607, 6245..6571, 6686..6721, 6691..6834, 6693..6923, 6697..6912, 6705..6932, 6920..6982, 6924..6983		

Seq. No.	43084	Seq. ID	OJ000450_00.0410.C5
Gene No.	90255	Strand	-
Start	5600	End	9000
Name	OJ000450_00.0410.C5.o1.ts	Method	TBLASTX:Soybean
Start	6693	End	7110
GI	5509260	Score	74
Exons	6693..6923, 6754..6912, 6771..6932, 6919..7110, 6921..7007		
GI Descrip.	-		

Seq. No.	43084	Seq. ID	OJ000450_00.0410.C5
Gene No.	90255	Strand	-
Start	5600	End	9000
Name	OJ000450_00.0410.C5.o4.tm	Method	TBLASTX:Maize
Start	6693	End	6923
GI	none	Score	86
Exons	6693..6923, 6697..6912		

Seq. No.	43084	Seq. ID	OJ000450_00.0410.C5
Gene No.	90255	Strand	-
Start	5600	End	9000
Name	OJ000450_00.0410.C5.o1.tm	Method	TBLASTX:Maize
Start	8320	End	8785
GI	none	Score	126
Exons	8320..8412, 8464..8748, 8471..8749, 8495..8785, 8496..8774		

Seq. No.	43085	Seq. ID	OJ000450_00.0410.C7
Gene No.	90256	Strand	+

Start	5847	End	6838
Name	OJ000450_00.0410.C7.o1.gp	Method	AAT/GAP
Start	5847	End	6838
GI	69970_1.R1084	Score	731
Exons	5847..6022, 6395..6622, 6815..6838		
GI Descrip.	'2894791/gb\|U69698\|CPU69698 2.0e-13 Cryptosporidium parvum heat shock protein 70 (Hsp 70) mRNA, complete cds'		

Seq. No.	43085	Seq. ID	OJ000450_00.0410.C7
Gene No.	90257	Strand	-
Start	952	End	6036
Name	OJ000450_00.0410.C7.o1.gs	Method	GENSCAN
Start	952	End	6036
GI	none	Score	.53
Exons	952..1041, 1358..1546, 1796..1997, 2780..2904, 3055..3153, 3558..3595, 3778..3881, 4338..4515, 5904..6036		

Seq. No.	43085	Seq. ID	OJ000450_00.0410.C7
Gene No.	90258	Strand	-
Start	7628	End	8767
Name	OJ000450_00.0410.C7.o2.gs	Method	GENSCAN
Start	7628	End	8767
GI	none	Score	.47
Exons	7628..7679, 8682..8767		

Seq. No.	43086	Seq. ID	OJ000450_00.0410.C8
Gene No.	90259	Strand	+
Start	2042	End	3335
Name	OJ000450_00.0410.C8.o2.gs	Method	GENSCAN
Start	2042	End	3335
GI	none	Score	.54
Exons	2042..2179, 2585..2658, 3025..3201, 3275..3335		

Seq. No.	43086	Seq. ID	OJ000450_00.0410.C8
Gene No.	90260	Strand	-
Start	918	End	3404
Name	OJ000450_00.0410.C8.o2.np	Method	AAT/NAP
Start	455	End	3404
GI	7106516	Score	64
Exons	455..482, 2640..2772, 3279..3404		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	43086	Seq. ID	OJ000450_00.0410.C8
Gene No.	90260	Strand	-
Start	918	End	3404
Name	OJ000450_00.0410.C8.o1.tc	Method	TBLASTX:Cress
Start	871	End	1373
GI	none	Score	71
Exons	871..1182, 924..1148, 1200..1247, 1201..1248, 1302..1373		

Seq. No.	43086	Seq. ID	OJ000450_00.0410.C8
Gene No.	90260	Strand	-
Start	918	End	3404
Name	OJ000450_00.0410.C8.o1.np	Method	AAT/NAP
Start	900	End	1391
GI	7248399	Score	229
Exons	900..1391		

GI Descrip. (AP001389) Similar to Arabidopsis thaliana Skp1 homolog (AF059295) [Oryza sativa]

Seq. No.	43086	Seq. ID	OJ000450_00.0410.C8
Gene No.	90260	Strand	-
Start	918	End	3404
Name	OJ000450_00.0410.C8.o1.ts	Method	TBLASTX:Soybean
Start	915	End	1361
GI	none	Score	61
Exons	915..1049, 924..1139, 925..1140, 1200..1262, 1201..1278, 1302..1361		

Seq. No.	43086	Seq. ID	OJ000450_00.0410.C8
Gene No.	90260	Strand	-
Start	918	End	3404
Name	OJ000450_00.0410.C8.o1.gs	Method	GENSCAN
Start	918	End	1358
GI	none	Score	.84
Exons	918..1289, 1308..1358		

Seq. No.	43086	Seq. ID	OJ000450_00.0410.C8
Gene No.	90260	Strand	-
Start	918	End	3404
Name	OJ000450_00.0410.C8.o1.tm	Method	TBLASTX:Maize
Start	924	End	1361
GI	none	Score	95
Exons	924..1175, 934..1137, 1200..1247, 1302..1361		

Seq. No.	43087	Seq. ID	OJ000450_00.0410.C9
Gene No.	90261	Strand	+
Start	1	End	709
Name	OJ000450_00.0410.C9.o1.np	Method	AAT/NAP
Start	1	End	709
GI	7228450	Score	122
Exons	1..32, 186..273, 404..524, 594..709		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	43087	Seq. ID	OJ000450_00.0410.C9
Gene No.	90262	Strand	+
Start	746	End	4526
Name	OJ000450_00.0410.C9.o1.gs	Method	GENSCAN
Start	746	End	4526
GI	none	Score	.46
Exons	746..889, 1359..1482, 1751..1927, 2093..3213, 3567..4526		

Seq. No.	43087	Seq. ID	OJ000450_00.0410.C9
Gene No.	90262	Strand	+
Start	746	End	4526
Name	OJ000450_00.0410.C9.o1.gp	Method	AAT/GAP
Start	1060	End	1517
GI	4968598	Score	811
Exons	1060..1517		

Seq. No.	43087	Seq. ID	OJ000450_00.0410.C9
Gene No.	90262	Strand	+
Start	746	End	4526
Name	OJ000450_00.0410.C9.o2.np	Method	AAT/NAP

Start	1692	End	1935
GI	6539588	Score	192
Exons	1692..1935		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	43088	Seq. ID	OJ000450_00.0410.C10
Gene No.	90263	Strand	-
Start	1085	End	2461
Name	OJ000450_00.0410.C10.o2.gs	Method	GENSCAN
Start	1085	End	2461
GI	none	Score	.99
Exons	1085..1641, 2362..2461		

Seq. No.	43088	Seq. ID	OJ000450_00.0410.C10
Gene No.	90263	Strand	-
Start	1085	End	2461
Name	OJ000450_00.0410.C10.o1.np	Method	AAT/NAP
Start	1088	End	1607
GI	7378764	Score	340
Exons	1088..1607		
GI Descrip.	(AJ277096) putative kinetochore protein [Hordeum vulgare]		

Seq. No.	43088	Seq. ID	OJ000450_00.0410.C10
Gene No.	90263	Strand	-
Start	1085	End	2461
Name	OJ000450_00.0410.C10.o1.tc	Method	TBLASTX:Cress
Start	1100	End	1567
GI	none	Score	102
Exons	1100..1300, 1133..1411, 1391..1459, 1392..1478, 1475..1567, 1500..1565		

Seq. No.	43088	Seq. ID	OJ000450_00.0410.C10
Gene No.	90263	Strand	-
Start	1085	End	2461
Name	OJ000450_00.0410.C10.o1.tm	Method	TBLASTX:Maize
Start	1100	End	1573
GI	none	Score	124
Exons	1100..1300, 1133..1321, 1391..1477, 1392..1478, 1475..1573, 1500..1571		

Seq. No.	43088	Seq. ID	OJ000450_00.0410.C10
Gene No.	90263	Strand	-
Start	1085	End	2461
Name	OJ000450_00.0410.C10.o1.ts	Method	TBLASTX:Soybean
Start	1100	End	1567
GI	none	Score	104
Exons	1100..1300, 1133..1321, 1391..1567, 1392..1565		

Seq. No.	43088	Seq. ID	OJ000450_00.0410.C10
Gene No.	90263	Strand	-
Start	1085	End	2461
Name	OJ000450_00.0410.C10.o1.tw	Method	TBLASTX:Wheat
Start	1136	End	1570
GI	none	Score	83
Exons	1136..1321, 1143..1292, 1391..1570		

Seq. No.	43089	Seq. ID	OJ000450_00.0410.C13

Gene No.	90264	Strand	+
Start	7521	End	9953
Name	OJ000450_00.0410.C13.o2.gs	Method	GENSCAN
Start	7521	End	9953
GI	none	Score	.4
Exons	7521..8020, 8902..9091, 9112..9315, 9369..9518, 9837..9953		

Seq. No.	43089	Seq. ID	OJ000450_00.0410.C13
Gene No.	90264	Strand	+
Start	7521	End	9953
Name	OJ000450_00.0410.C13.o2.np	Method	AAT/NAP
Start	7536	End	8018
GI	7378764	Score	385
Exons	7536..8018		
GI Descrip.	(AJ277096) putative kinetochore protein [Hordeum vulgare]		

Seq. No.	43089	Seq. ID	OJ000450_00.0410.C13
Gene No.	90265	Strand	-
Start	70	End	3200
Name	OJ000450_00.0410.C13.o1.np	Method	AAT/NAP
Start	70	End	3200
GI	7248394	Score	3445
Exons	70..450, 887..1956, 2227..2508, 2552..3200		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	43089	Seq. ID	OJ000450_00.0410.C13
Gene No.	90266	Strand	-
Start	7593	End	9583
Name	OJ000450_00.0410.C13.o3.tw	Method	TBLASTX:Wheat
Start	572	End	1006
GI	none	Score	35
Exons	572..862, 657..737, 789..863, 917..1006		

Seq. No.	43089	Seq. ID	OJ000450_00.0410.C13
Gene No.	90266	Strand	-
Start	7593	End	9583
Name	OJ000450_00.0410.C13.o1.ts	Method	TBLASTX:Soybean
Start	635	End	1052
GI	none	Score	81
Exons	635..877, 639..752, 810..878, 908..1051, 918..1052, 918..1052		

Seq. No.	43089	Seq. ID	OJ000450_00.0410.C13
Gene No.	90266	Strand	-
Start	7593	End	9583
Name	OJ000450_00.0410.C13.o3.ts	Method	TBLASTX:Soybean
Start	1203	End	1672
GI	none	Score	69
Exons	1203..1349, 1205..1390, 1380..1637, 1391..1672		

Seq. No.	43089	Seq. ID	OJ000450_00.0410.C13
Gene No.	90266	Strand	-
Start	7593	End	9583
Name	OJ000450_00.0410.C13.o2.tw	Method	TBLASTX:Wheat

Start	1289	End	1663
GI	none	Score	50
Exons	1289..1390, 1293..1388, 1367..1663, 1457..1615		

Seq. No.	43089	Seq. ID	OJ000450_00.0410.C13
Gene No.	90266	Strand	-
Start	7593	End	9583
Name	OJ000450_00.0410.C13.o1.tm	Method	TBLASTX:Maize
Start	1358	End	1819
GI	none	Score	334
Exons	1358..1819, 1359..1670, 1755..1817		

Seq. No.	43089	Seq. ID	OJ000450_00.0410.C13
Gene No.	90266	Strand	-
Start	7593	End	9583
Name	OJ000450_00.0410.C13.o1.tw	Method	TBLASTX:Wheat
Start	1687	End	2095
GI	none	Score	227
Exons	1687..1977, 1688..2095, 1755..2078		

Seq. No.	43089	Seq. ID	OJ000450_00.0410.C13
Gene No.	90266	Strand	-
Start	7593	End	9583
Name	OJ000450_00.0410.C13.o2.tm	Method	TBLASTX:Maize
Start	1820	End	2035
GI	none	Score	93
Exons	1820..2032, 1820..2035, 1821..2033		

Seq. No.	43089	Seq. ID	OJ000450_00.0410.C13
Gene No.	90266	Strand	-
Start	7593	End	9583
Name	OJ000450_00.0410.C13.o4.ts	Method	TBLASTX:Soybean
Start	1889	End	2257
GI	none	Score	140
Exons	1889..2023, 2039..2257		

Seq. No.	43089	Seq. ID	OJ000450_00.0410.C13
Gene No.	90266	Strand	-
Start	7593	End	9583
Name	OJ000450_00.0410.C13.o4.tm	Method	TBLASTX:Maize
Start	4299	End	4595
GI	none	Score	55
Exons	4299..4445, 4324..4419, 4470..4595, 4471..4578		

Seq. No.	43089	Seq. ID	OJ000450_00.0410.C13
Gene No.	90266	Strand	-
Start	7593	End	9583
Name	OJ000450_00.0410.C13.o3.tm	Method	TBLASTX:Maize
Start	7563	End	8018
GI	none	Score	121
Exons	7563..7679, 7565..7678, 7614..7745, 7658..7744, 7778..8011, 7779..8018		

Seq. No.	43089	Seq. ID	OJ000450_00.0410.C13
Gene No.	90266	Strand	-
Start	7593	End	9583
Name	OJ000450_00.0410.C13.o2.ts	Method	TBLASTX:Soybean

Start	7565	End	8018
GI	none	Score	55
Exons	7565..7624, 7659..7745, 7775..8011, 7776..8018		

Seq. No.	43089	Seq. ID	OJ000450_00.0410.C13
Gene No.	90266	Strand	-
Start	7593	End	9583
Name	OJ000450_00.0410.C13.o1.tc	Method	TBLASTX:Cress
Start	7566	End	8018
GI	none	Score	102
Exons	7566..7679, 7583..7678, 7646..7744, 7659..7745, 7775..8002, 7776..8018		

Seq. No.	43089	Seq. ID	OJ000450_00.0410.C13
Gene No.	90266	Strand	-
Start	7593	End	9583
Name	OJ000450_00.0410.C13.o4.tw	Method	TBLASTX:Wheat
Start	7568	End	7970
GI	none	Score	46
Exons	7568..7621, 7608..7799, 7613..7744, 7785..7970		

Seq. No.	43089	Seq. ID	OJ000450_00.0410.C13
Gene No.	90266	Strand	-
Start	7593	End	9583
Name	OJ000450_00.0410.C13.o3.np	Method	AAT/NAP
Start	7593	End	9583
GI	5852179	Score	236
Exons	7593..7687, 9072..9263, 9338..9583		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	43090	Seq. ID	OJ000450_00.0410.C14
Gene No.	90267	Strand	+
Start	1	End	838
Name	OJ000450_00.0410.C14.o1.np	Method	AAT/NAP
Start	1	End	838
GI	6742729	Score	597
Exons	1..411, 804..838		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	43090	Seq. ID	OJ000450_00.0410.C14
Gene No.	90267	Strand	+
Start	1	End	838
Name	OJ000450_00.0410.C14.o1.tw	Method	TBLASTX:Wheat
Start	2	End	418
GI	none	Score	62
Exons	2..49, 35..277, 55..237, 306..410, 307..417, 310..411, 311..418		

Seq. No.	43090	Seq. ID	OJ000450_00.0410.C14
Gene No.	90267	Strand	+
Start	1	End	838
Name	OJ000450_00.0410.C14.o1.gs	Method	GENSCAN
Start	60	End	663
GI	none	Score	.93
Exons	60..123, 195..373, 574..663		

Seq. No.	43091	Seq. ID	OJ000450_00.0410.C15
Gene No.	90268	Strand	+

Start	903	End	13825
Name	OJ000450_00.0410.C15.o1.np	Method	AAT/NAP
Start	903	End	13825
GI	4680204	Score	930
Exons	903..2315, 2407..3491, 3580..3753, 3847..4023, 4425..4551, 13788..13825		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	43091	Seq. ID	OJ000450_00.0410.C15
Gene No.	90268	Strand	+
Start	903	End	13825
Name	OJ000450_00.0410.C15.o1.gs	Method	GENSCAN
Start	981	End	4610
GI	none	Score	.46
Exons	981..1692, 1918..2315, 2407..2600, 2844..3491, 3580..3753, 3847..3957, 4059..4131, 4227..4325, 4425..4610		

Seq. No.	43091	Seq. ID	OJ000450_00.0410.C15
Gene No.	90268	Strand	+
Start	903	End	13825
Name	OJ000450_00.0410.C15.o2.gp	Method	AAT/GAP
Start	10206	End	10572
GI	286983	Score	702
Exons	10206..10572		

Seq. No.	43091	Seq. ID	OJ000450_00.0410.C15
Gene No.	90268	Strand	+
Start	903	End	13825
Name	OJ000450_00.0410.C15.o2.np	Method	AAT/NAP
Start	13064	End	13597
GI	7488906	Score	276
Exons	13064..13135, 13355..13597		
GI Descrip.	fimbriata-associated protein - sweet orange (fragment) gi\|2759997\|emb\|CAA05891.1\| (AJ003134) fimbriata-associated protein [Citrus sinensis]		

Seq. No.	43091	Seq. ID	OJ000450_00.0410.C15
Gene No.	90268	Strand	+
Start	903	End	13825
Name	OJ000450_00.0410.C15.o4.gs	Method	GENSCAN
Start	13100	End	13603
GI	none	Score	.97
Exons	13100..13603		

Seq. No.	43091	Seq. ID	OJ000450_00.0410.C15
Gene No.	90269	Strand	-
Start	11019	End	12576
Name	OJ000450_00.0410.C15.o1.tw	Method	TBLASTX:Wheat
Start	1522	End	1925
GI	none	Score	204
Exons	1522..1632, 1524..1760, 1625..1720, 1755..1925, 1808..1924		

Seq. No.	43091	Seq. ID	OJ000450_00.0410.C15
Gene No.	90269	Strand	-
Start	11019	End	12576
Name	OJ000450_00.0410.C15.o4.tw	Method	TBLASTX:Wheat
Start	1926	End	2619

GI	none	Score	65
Exons	1926..2006, 2247..2318, 2401..2619		

Seq. No.	43091	Seq. ID	OJ000450_00.0410.C15
Gene No.	90269	Strand	-
Start	11019	End	12576
Name	OJ000450_00.0410.C15.o3.tw	Method	TBLASTX:Wheat
Start	3566	End	3925
GI	none	Score	144
Exons	3566..3766, 3575..3763, 3844..3918, 3845..3925		

Seq. No.	43091	Seq. ID	OJ000450_00.0410.C15
Gene No.	90269	Strand	-
Start	11019	End	12576
Name	OJ000450_00.0410.C15.o3.gs	Method	GENSCAN
Start	11019	End	12391
GI	none	Score	.84
Exons	11019..11438, 11703..11794, 11845..11867, 12100..12139, 12199..12391		

Seq. No.	43091	Seq. ID	OJ000450_00.0410.C15
Gene No.	90269	Strand	-
Start	11019	End	12576
Name	OJ000450_00.0410.C15.o3.gp	Method	AAT/GAP
Start	12110	End	12576
GI	none	Score	863
Exons	12110..12576		

Seq. No.	43091	Seq. ID	OJ000450_00.0410.C15
Gene No.	90270	Strand	
Start	13138	End	13762
Name	OJ000450_00.0410.C15.o1.tm	Method	TBLASTX:Maize
Start	13138	End	13762
GI	none	Score	184
Exons	13138..13311, 13142..13312, 13346..13597, 13358..13636, 13721..13762		

Seq. No.	43091	Seq. ID	OJ000450_00.0410.C15
Gene No.	90270	Strand	
Start	13138	End	13762
Name	OJ000450_00.0410.C15.o1.tc	Method	TBLASTX:Cress
Start	13139	End	13605
GI	none	Score	202
Exons	13139..13345, 13141..13311, 13337..13597, 13355..13594, 13420..13605		

Seq. No.	43091	Seq. ID	OJ000450_00.0410.C15
Gene No.	90270	Strand	
Start	13138	End	13762
Name	OJ000450_00.0410.C15.o1.ts	Method	TBLASTX:Soybean
Start	13177	End	13611
GI	none	Score	142
Exons	13177..13311, 13187..13312, 13355..13597, 13393..13611		

Seq. No.	43091	Seq. ID	OJ000450_00.0410.C15
Gene No.	90270	Strand	
Start	13138	End	13762

Name	OJ000450_00.0410.C15.o2.tw	Method	TBLASTX:Wheat
Start	13241	End	13549
GI	none	Score	63
Exons	13241..13312, 13337..13543, 13355..13549		

Seq. No.	43092	Seq. ID	OJ000450_00.0410.C16
Gene No.	90271	Strand	+
Start	1	End	5926
Name	OJ000450_00.0410.C16.o1.np	Method	AAT/NAP
Start	1	End	1762
GI	7340881	Score	97
Exons	1..233, 1704..1762		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	43092	Seq. ID	OJ000450_00.0410.C16
Gene No.	90271	Strand	+
Start	1	End	5926
Name	OJ000450_00.0410.C16.o1.gs	Method	GENSCAN
Start	991	End	5237
GI	none	Score	.71
Exons	991..1095, 2017..2209, 2797..2823, 3189..3249, 3393..3492, 3932..4121, 4542..4621, 4715..4808, 5035..5237		

Seq. No.	43092	Seq. ID	OJ000450_00.0410.C16
Gene No.	90271	Strand	+
Start	1	End	5926
Name	OJ000450_00.0410.C16.o1.gp	Method	AAT/GAP
Start	1589	End	1699
GI	uC-osflcyp088b12b1	Score	153
Exons	1589..1699		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	43092	Seq. ID	OJ000450_00.0410.C16
Gene No.	90271	Strand	+
Start	1	End	5926
Name	OJ000450_00.0410.C16.o3.np	Method	AAT/NAP
Start	4401	End	5926
GI	7340881	Score	151
Exons	4401..4621, 4715..4839, 4953..5181, 5866..5926		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	43092	Seq. ID	OJ000450_00.0410.C16
Gene No.	90272	Strand	-
Start	869	End	4919
Name	OJ000450_00.0410.C16.o2.np	Method	AAT/NAP
Start	869	End	4919
GI	4680183	Score	135
Exons	869..985, 4874..4919		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	43092	Seq. ID	OJ000450_00.0410.C16
Gene No.	90273	Strand	-
Start	5838	End	5926
Name	OJ000450_00.0410.C16.o4.np	Method	AAT/NAP
Start	5838	End	5926
GI	4680183	Score	138

Exons	5838..5926		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	43093	Seq. ID	OJ000450_00.0410.C17
Gene No.	90274	Strand	+
Start	1	End	1889
Name	OJ000450_00.0410.C17.o1.np	Method	AAT/NAP
Start	1	End	1889
GI	6063554	Score	285
Exons	1..80, 499..705, 1054..1081, 1717..1889		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	43093	Seq. ID	OJ000450_00.0410.C17
Gene No.	90274	Strand	+
Start	1	End	1889
Name	OJ000450_00.0410.C17.o1.gp	Method	AAT/GAP
Start	29	End	143
GI	uC-osf1cyp088b12b1	Score	155
Exons	29..143		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	43093	Seq. ID	OJ000450_00.0410.C17
Gene No.	90275	Strand	-
Start	1025	End	1702
Name	OJ000450_00.0410.C17.o2.gs	Method	GENSCAN
Start	1025	End	1702
GI	none	Score	.69
Exons	1025..1157, 1593..1702		
Seq. No.	43094	Seq. ID	OJ000450_00.0410.C18
Gene No.	90276	Strand	+
Start	503	End	601
Name	OJ000450_00.0410.C18.o1.gs	Method	GENSCAN
Start	503	End	601
GI	none	Score	.46
Exons	503..601		
Seq. No.	43095	Seq. ID	OJ000450_00.0410.C20
Gene No.	90277	Strand	-
Start	1	End	474
Name	OJ000450_00.0410.C20.o1.np	Method	AAT/NAP
Start	1	End	145
GI	7523502	Score	121
Exons	1..145		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	43095	Seq. ID	OJ000450_00.0410.C20
Gene No.	90277	Strand	-
Start	1	End	474
Name	OJ000450_00.0410.C20.o1.gp	Method	AAT/GAP
Start	17	End	474
GI	4968598	Score	815
Exons	17..474		

Seq. No.	43096	Seq. ID	OJ000450_00.0410.C24
Gene No.	90278	Strand	-
Start	1	End	452
Name	OJ000450_00.0410.C24.o1.np	Method	AAT/NAP
Start	1	End	452
GI	4416302	Score	136
Exons	1..452		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	43097	Seq. ID	OJ000450_00.0410.C25
Gene No.	90279	Strand	+
Start	654	End	3018
Name	OJ000450_00.0410.C25.o1.gs	Method	GENSCAN
Start	654	End	3016
GI	none	Score	.82
Exons	654..841, 1153..1243, 2228..3016		

Seq. No.	43097	Seq. ID	OJ000450_00.0410.C25
Gene No.	90279	Strand	+
Start	654	End	3018
Name	OJ000450_00.0410.C25.o1.np	Method	AAT/NAP
Start	872	End	1046
GI	6063554	Score	155
Exons	872..1046		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43097	Seq. ID	OJ000450_00.0410.C25
Gene No.	90279	Strand	+
Start	654	End	3018
Name	OJ000450_00.0410.C25.o2.np	Method	AAT/NAP
Start	2228	End	3018
GI	6983861	Score	1129
Exons	2228..3018		
GI Descrip.	(AP001168) Similar to gypsy-type retrotransposon RIRE8B DNA, internal region (AB014741) [Oryza sativa]		

Seq. No.	43097	Seq. ID	OJ000450_00.0410.C25
Gene No.	90280	Strand	+
Start	6263	End	7117
Name	OJ000450_00.0410.C25.o5.np	Method	AAT/NAP
Start	6263	End	7117
GI	5852178	Score	379
Exons	6263..6654, 7015..7117		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	43097	Seq. ID	OJ000450_00.0410.C25
Gene No.	90281	Strand	-
Start	1	End	5584
Name	OJ000450_00.0410.C25.o3.np	Method	AAT/NAP
Start	1	End	5186
GI	7076770	Score	89
Exons	1..32, 3216..3289, 4707..4958, 5036..5186		
GI Descrip.	(AL138658) putative protein [Arabidopsis thaliana]		

Seq. No.	43097	Seq. ID	OJ000450_00.0410.C25

Gene No.	90281	Strand	-
Start	1	End	5584
Name	OJ000450_00.0410.C25.o2.gs	Method	GENSCAN
Start	3243	End	5584
GI	none	Score	.47
Exons	3243..3313, 3477..3607, 3625..3850, 4543..5584		

Seq. No.	43097	Seq. ID	OJ000450_00.0410.C25
Gene No.	90282	Strand	-
Start	6038	End	6794
Name	OJ000450_00.0410.C25.o3.gs	Method	GENSCAN
Start	6038	End	6794
GI	none	Score	.59
Exons	6038..6246, 6261..6562, 6593..6794		

Seq. No.	43098	Seq. ID	OJ000450_00.0410.C26
Gene No.	90283	Strand	+
Start	565	End	5046
Name	OJ000450_00.0410.C26.o1.np	Method	AAT/NAP
Start	565	End	5046
GI	4680179	Score	5421
Exons	565..1607, 1635..5046		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	43098	Seq. ID	OJ000450_00.0410.C26
Gene No.	90284	Strand	+
Start	5445	End	7346
Name	OJ000450_00.0410.C26.o2.np	Method	AAT/NAP
Start	5445	End	6626
GI	5852178	Score	339
Exons	5445..5534, 5817..6031, 6063..6160, 6524..6626		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	43098	Seq. ID	OJ000450_00.0410.C26
Gene No.	90284	Strand	+
Start	5445	End	7346
Name	OJ000450_00.0410.C26.o3.np	Method	AAT/NAP
Start	5806	End	7346
GI	6063554	Score	213
Exons	5806..6045, 7166..7346		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43098	Seq. ID	OJ000450_00.0410.C26
Gene No.	90285	Strand	-
Start	5768	End	10022
Name	OJ000450_00.0410.C26.o9.tw	Method	TBLASTX:Wheat
Start	779	End	977
GI	none	Score	194
Exons	779..976, 789..977, 795..977		

Seq. No.	43098	Seq. ID	OJ000450_00.0410.C26
Gene No.	90285	Strand	-
Start	5768	End	10022
Name	OJ000450_00.0410.C26.o6.tw	Method	TBLASTX:Wheat
Start	1026	End	1373

GI	none	Score	297
Exons	1026..1274, 1029..1373		

Seq. No.	43098	Seq. ID	OJ000450_00.0410.C26
Gene No.	90285	Strand	-
Start	5768	End	10022
Name	OJ000450_00.0410.C26.o6.tm	Method	TBLASTX:Maize
Start	1029	End	1334
GI	none	Score	235
Exons	1029..1334, 1055..1174, 1056..1274, 1259..1330		

Seq. No.	43098	Seq. ID	OJ000450_00.0410.C26
Gene No.	90285	Strand	-
Start	5768	End	10022
Name	OJ000450_00.0410.C26.o8.tw	Method	TBLASTX:Wheat
Start	1713	End	2066
GI	none	Score	258
Exons	1713..2066		

Seq. No.	43098	Seq. ID	OJ000450_00.0410.C26
Gene No.	90285	Strand	-
Start	5768	End	10022
Name	OJ000450_00.0410.C26.o4.tw	Method	TBLASTX:Wheat
Start	2230	End	2679
GI	none	Score	476
Exons	2230..2679, 2301..2636, 2308..2676		

Seq. No.	43098	Seq. ID	OJ000450_00.0410.C26
Gene No.	90285	Strand	-
Start	5768	End	10022
Name	OJ000450_00.0410.C26.o3.ts	Method	TBLASTX:Soybean
Start	2233	End	2547
GI	none	Score	184
Exons	2233..2547		

Seq. No.	43098	Seq. ID	OJ000450_00.0410.C26
Gene No.	90285	Strand	-
Start	5768	End	10022
Name	OJ000450_00.0410.C26.o4.tm	Method	TBLASTX:Maize
Start	2266	End	2733
GI	none	Score	360
Exons	2266..2733		

Seq. No.	43098	Seq. ID	OJ000450_00.0410.C26
Gene No.	90285	Strand	-
Start	5768	End	10022
Name	OJ000450_00.0410.C26.o1.ts	Method	TBLASTX:Soybean
Start	2620	End	3014
GI	none	Score	53
Exons	2620..2652, 2620..2652, 2656..2811, 2658..2699, 2760..2819, 2814..3014, 2816..3001		

Seq. No.	43098	Seq. ID	OJ000450_00.0410.C26
Gene No.	90285	Strand	-
Start	5768	End	10022
Name	OJ000450_00.0410.C26.o5.tw	Method	TBLASTX:Wheat
Start	2728	End	3029

GI	none	Score	112
Exons	2728..2820, 2750..2800, 2760..2807, 2813..3028, 2814..3029		

Seq. No.	43098	Seq. ID	OJ000450_00.0410.C26
Gene No.	90285	Strand	-
Start	5768	End	10022
Name	OJ000450_00.0410.C26.o5.tm	Method	TBLASTX:Maize
Start	2749	End	3095
GI	none	Score	45
Exons	2749..2820, 2814..3095, 2816..2986		

Seq. No.	43098	Seq. ID	OJ000450_00.0410.C26
Gene No.	90285	Strand	-
Start	5768	End	10022
Name	OJ000450_00.0410.C26.o3.tw	Method	TBLASTX:Wheat
Start	3030	End	3468
GI	none	Score	195
Exons	3030..3185, 3032..3184, 3040..3192, 3118..3195, 3180..3461, 3183..3443, 3187..3468, 3187..3468		

Seq. No.	43098	Seq. ID	OJ000450_00.0410.C26
Gene No.	90285	Strand	-
Start	5768	End	10022
Name	OJ000450_00.0410.C26.o2.tm	Method	TBLASTX:Maize
Start	3102	End	3468
GI	none	Score	100
Exons	3102..3185, 3107..3184, 3180..3461, 3187..3468		

Seq. No.	43098	Seq. ID	OJ000450_00.0410.C26
Gene No.	90285	Strand	-
Start	5768	End	10022
Name	OJ000450_00.0410.C26.o2.tw	Method	TBLASTX:Wheat
Start	3496	End	4035
GI	none	Score	613
Exons	3496..4035, 3652..3930, 3678..4031		

Seq. No.	43098	Seq. ID	OJ000450_00.0410.C26
Gene No.	90285	Strand	-
Start	5768	End	10022
Name	OJ000450_00.0410.C26.o1.tc	Method	TBLASTX:Cress
Start	3733	End	4059
GI	none	Score	86
Exons	3733..3915, 3916..4059, 3918..4058		

Seq. No.	43098	Seq. ID	OJ000450_00.0410.C26
Gene No.	90285	Strand	-
Start	5768	End	10022
Name	OJ000450_00.0410.C26.o2.ts	Method	TBLASTX:Soybean
Start	3823	End	4083
GI	none	Score	278
Exons	3823..4083, 3828..4082		

Seq. No.	43098	Seq. ID	OJ000450_00.0410.C26
Gene No.	90285	Strand	-
Start	5768	End	10022
Name	OJ000450_00.0410.C26.o3.tm	Method	TBLASTX:Maize
Start	3881	End	4173

GI	none	Score	102
Exons	3881..4168, 3882..4169, 3883..4173		

Seq. No.	43098	Seq. ID	OJ000450_00.0410.C26
Gene No.	90285	Strand	-
Start	5768	End	10022
Name	OJ000450_00.0410.C26.o1.tw	Method	TBLASTX:Wheat
Start	4042	End	4668
GI	none	Score	696
Exons	4042..4668, 4101..4547, 4213..4626, 4608..4667		

Seq. No.	43098	Seq. ID	OJ000450_00.0410.C26
Gene No.	90285	Strand	-
Start	5768	End	10022
Name	OJ000450_00.0410.C26.o1.tm	Method	TBLASTX:Maize
Start	4221	End	4806
GI	none	Score	89
Exons	4221..4361, 4221..4376, 4222..4383, 4380..4544, 4381..4806, 4526..4615, 4608..4805		

Seq. No.	43098	Seq. ID	OJ000450_00.0410.C26
Gene No.	90285	Strand	-
Start	5768	End	10022
Name	OJ000450_00.0410.C26.o7.tw	Method	TBLASTX:Wheat
Start	4668	End	5001
GI	none	Score	283
Exons	4668..4937, 4669..5001		

Seq. No.	43098	Seq. ID	OJ000450_00.0410.C26
Gene No.	90285	Strand	-
Start	5768	End	10022
Name	OJ000450_00.0410.C26.o2.gs	Method	GENSCAN
Start	5768	End	10022
GI	none	Score	.72
Exons	5768..6303, 7077..7111, 8277..8475, 9836..10022		

Seq. No.	43098	Seq. ID	OJ000450_00.0410.C26
Gene No.	90285	Strand	-
Start	5768	End	10022
Name	OJ000450_00.0410.C26.o4.np	Method	AAT/NAP
Start	6849	End	8882
GI	7523502	Score	186
Exons	6849..6868, 8305..8475, 8789..8882		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	43099	Seq. ID	OJ000450_00.0410.C27
Gene No.	90286	Strand	+
Start	1	End	707
Name	OJ000450_00.0410.C27.o1.np	Method	AAT/NAP
Start	1	End	707
GI	4416302	Score	767
Exons	1..707		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	43099	Seq. ID	OJ000450_00.0410.C27
Gene No.	90286	Strand	+
Start	1	End	707

Name	OJ000450_00.0410.C27.o1.gs	Method	GENSCAN
Start	83	End	707
GI	none	Score	.63
Exons	83..707		

Seq. No.	43099	Seq. ID	OJ000450_00.0410.C27
Gene No.	90287	Strand	+
Start	2324	End	2777
Name	OJ000450_00.0410.C27.o2.gs	Method	GENSCAN
Start	2324	End	2777
GI	none	Score	.87
Exons	2324..2440, 2685..2777		

Seq. No.	43099	Seq. ID	OJ000450_00.0410.C27
Gene No.	90288	Strand	+
Start	8979	End	11917
Name	OJ000450_00.0410.C27.o2.np	Method	AAT/NAP
Start	8979	End	11914
GI	6691716	Score	2388
Exons	8979..9849, 10047..10239, 10321..10441, 10535..10697, 10772..10959, 11035..11134, 11280..11396, 11469..11914		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	43099	Seq. ID	OJ000450_00.0410.C27
Gene No.	90288	Strand	+
Start	8979	End	11917
Name	OJ000450_00.0410.C27.o5.gs	Method	GENSCAN
Start	8979	End	11917
GI	none	Score	.81
Exons	8979..9108, 9529..9863, 9950..10697, 10772..10959, 11035..11224, 11292..11396, 11469..11917		

Seq. No.	43099	Seq. ID	OJ000450_00.0410.C27
Gene No.	90289	Strand	-
Start	3299	End	4180
Name	OJ000450_00.0410.C27.o3.gs	Method	GENSCAN
Start	3299	End	4180
GI	none	Score	.81
Exons	3299..4180		

Seq. No.	43099	Seq. ID	OJ000450_00.0410.C27
Gene No.	90290	Strand	-
Start	4690	End	6417
Name	OJ000450_00.0410.C27.o4.gs	Method	GENSCAN
Start	4690	End	6417
GI	none	Score	.9
Exons	4690..4815, 5288..5371, 5925..6005, 6202..6333, 6346..6417		

Seq. No.	43099	Seq. ID	OJ000450_00.0410.C27
Gene No.	90291	Strand	-
Start	7208	End	7669
Name	OJ000450_00.0410.C27.o3.gp	Method	AAT/GAP
Start	7208	End	7669
GI	uC-osflcyp177g01a1	Score	248
Exons	7208..7232, 7521..7669		

GI Descrip.	'4884864/gb\|AAD31846.1\|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		
Seq. No.	43099	Seq. ID	OJ000450_00.0410.C27
Gene No.	90292	Strand	-
Start	12234	End	18384
Name	OJ000450_00.0410.C27.o6.gs	Method	GENSCAN
Start	12234	End	17902
GI	none	Score	.78
Exons	12234..12418, 14213..14272, 15574..15696, 15730..16317, 16372..16819, 16979..17242, 17303..17653, 17759..17902		

Seq. No.	43099	Seq. ID	OJ000450_00.0410.C27
Gene No.	90292	Strand	-
Start	12234	End	18384
Name	OJ000450_00.0410.C27.o3.np	Method	AAT/NAP
Start	12237	End	18384
GI	5902445	Score	4643
Exons	12237..12483, 15552..18384		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	43099	Seq. ID	OJ000450_00.0410.C27
Gene No.	90293	Strand	-
Start	18448	End	20251
Name	OJ000450_00.0410.C27.o1.tm	Method	TBLASTX:Maize
Start	30	End	713
GI	none	Score	746
Exons	30..686, 38..685, 318..713		

Seq. No.	43099	Seq. ID	OJ000450_00.0410.C27
Gene No.	90293	Strand	-
Start	18448	End	20251
Name	OJ000450_00.0410.C27.o1.ts	Method	TBLASTX:Soybean
Start	48	End	716
GI	none	Score	287
Exons	48..437, 152..394, 456..716, 470..640		

Seq. No.	43099	Seq. ID	OJ000450_00.0410.C27
Gene No.	90293	Strand	-
Start	18448	End	20251
Name	OJ000450_00.0410.C27.o6.tw	Method	TBLASTX:Wheat
Start	186	End	641
GI	none	Score	123
Exons	186..446, 450..641, 465..641		

Seq. No.	43099	Seq. ID	OJ000450_00.0410.C27
Gene No.	90293	Strand	-
Start	18448	End	20251
Name	OJ000450_00.0410.C27.o1.tc	Method	TBLASTX:Cress
Start	321	End	686
GI	none	Score	84
Exons	321..452, 441..686		

Seq. No.	43099	Seq. ID	OJ000450_00.0410.C27
Gene No.	90293	Strand	-
Start	18448	End	20251
Name	OJ000450_00.0410.C27.o8.tw	Method	TBLASTX:Wheat

Start	9099	End	9389
GI	none	Score	216
Exons	9099..9389		

Seq. No.	43099	Seq. ID	OJ000450_00.0410.C27
Gene No.	90293	Strand	-
Start	18448	End	20251
Name	OJ000450_00.0410.C27.o5.tw	Method	TBLASTX:Wheat
Start	12246	End	15901
GI	none	Score	85
Exons	12246..12383, 12369..12503, 15376..15471, 15551..15901, 15666..15773, 15810..15893		

Seq. No.	43099	Seq. ID	OJ000450_00.0410.C27
Gene No.	90293	Strand	-
Start	18448	End	20251
Name	OJ000450_00.0410.C27.o5.tm	Method	TBLASTX:Maize
Start	12285	End	15616
GI	none	Score	101
Exons	12285..12386, 12286..12387, 12366..12497, 12367..12426, 15385..15492, 15395..15466, 15460..15567, 15461..15565, 15551..15616		

Seq. No.	43099	Seq. ID	OJ000450_00.0410.C27
Gene No.	90293	Strand	-
Start	18448	End	20251
Name	OJ000450_00.0410.C27.o6.tm	Method	TBLASTX:Maize
Start	15698	End	15977
GI	none	Score	41
Exons	15698..15784, 15794..15877, 15804..15881, 15872..15970, 15873..15977		

Seq. No.	43099	Seq. ID	OJ000450_00.0410.C27
Gene No.	90293	Strand	-
Start	18448	End	20251
Name	OJ000450_00.0410.C27.o4.tw	Method	TBLASTX:Wheat
Start	15902	End	16297
GI	none	Score	181
Exons	15902..16297, 15915..16199, 16055..16291		

Seq. No.	43099	Seq. ID	OJ000450_00.0410.C27
Gene No.	90293	Strand	-
Start	18448	End	20251
Name	OJ000450_00.0410.C27.o2.tm	Method	TBLASTX:Maize
Start	16109	End	16435
GI	none	Score	229
Exons	16109..16435, 16110..16415		

Seq. No.	43099	Seq. ID	OJ000450_00.0410.C27
Gene No.	90293	Strand	-
Start	18448	End	20251
Name	OJ000450_00.0410.C27.o7.tw	Method	TBLASTX:Wheat
Start	16598	End	16888
GI	none	Score	57
Exons	16598..16888, 16794..16871		

Seq. No.	43099	Seq. ID	OJ000450_00.0410.C27

Gene No.	90293	Strand	-
Start	18448	End	20251
Name	OJ000450_00.0410.C27.o3.ts	Method	TBLASTX:Soybean
Start	16793	End	17173
GI	none	Score	96
Exons	16793..17035, 16809..17036, 17075..17173		

Seq. No.	43099	Seq. ID	OJ000450_00.0410.C27
Gene No.	90293	Strand	-
Start	18448	End	20251
Name	OJ000450_00.0410.C27.o3.tw	Method	TBLASTX:Wheat
Start	16892	End	17296
GI	none	Score	109
Exons	16892..17035, 16893..17036, 17045..17296, 17072..17212, 17103..17237		

Seq. No.	43099	Seq. ID	OJ000450_00.0410.C27
Gene No.	90293	Strand	-
Start	18448	End	20251
Name	OJ000450_00.0410.C27.o3.tm	Method	TBLASTX:Maize
Start	17318	End	17737
GI	none	Score	65
Exons	17318..17461, 17331..17462, 17483..17737, 17484..17705, 17492..17710		

Seq. No.	43099	Seq. ID	OJ000450_00.0410.C27
Gene No.	90293	Strand	-
Start	18448	End	20251
Name	OJ000450_00.0410.C27.o2.ts	Method	TBLASTX:Soybean
Start	17405	End	17836
GI	none	Score	106
Exons	17405..17836, 17646..17789		

Seq. No.	43099	Seq. ID	OJ000450_00.0410.C27
Gene No.	90293	Strand	-
Start	18448	End	20251
Name	OJ000450_00.0410.C27.o1.tw	Method	TBLASTX:Wheat
Start	17460	End	17863
GI	none	Score	245
Exons	17460..17786, 17465..17863, 17498..17830		

Seq. No.	43099	Seq. ID	OJ000450_00.0410.C27
Gene No.	90293	Strand	-
Start	18448	End	20251
Name	OJ000450_00.0410.C27.o4.tm	Method	TBLASTX:Maize
Start	17953	End	18309
GI	none	Score	159
Exons	17953..18309, 17963..18268		

Seq. No.	43099	Seq. ID	OJ000450_00.0410.C27
Gene No.	90293	Strand	-
Start	18448	End	20251
Name	OJ000450_00.0410.C27.o2.tw	Method	TBLASTX:Wheat
Start	17983	End	18439
GI	none	Score	231
Exons	17983..18438, 17984..18439		

Seq. No.	43099	Seq. ID	OJ000450_00.0410.C27
Gene No.	90293	Strand	-
Start	18448	End	20251
Name	OJ000450_00.0410.C27.o4.ts	Method	TBLASTX:Soybean
Start	18034	End	18399
GI	none	Score	61
Exons	18034..18165, 18179..18388, 18181..18399		

Seq. No.	43099	Seq. ID	OJ000450_00.0410.C27
Gene No.	90293	Strand	-
Start	18448	End	20251
Name	OJ000450_00.0410.C27.o7.gs	Method	GENSCAN
Start	18448	End	19875
GI	none	Score	.79
Exons	18448..18639, 19040..19170, 19491..19515, 19561..19875		

Seq. No.	43099	Seq. ID	OJ000450_00.0410.C27
Gene No.	90293	Strand	-
Start	18448	End	20251
Name	OJ000450_00.0410.C27.o4.np	Method	AAT/NAP
Start	18451	End	20251
GI	5902444	Score	93
Exons	18451..18599, 20166..20251		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	43100	Seq. ID	OJ000450_00.0410.C28
Gene No.	90294	Strand	+
Start	1	End	3072
Name	OJ000450_00.0410.C28.o2.np	Method	AAT/NAP
Start	1	End	3072
GI	5734642	Score	69
Exons	1..21, 1832..2161, 3054..3072		
GI Descrip.	(AP000391) ESTs C22657(S0014),C22656(S0014) correspond to a region of the predicted gene.; Similar to receptor protein kinase, ERECTA (AC004484) [Oryza sativa] gi\|6006357\|dbj\|BAA84787.1\| (AP000559) ESTs C22657(S0014),C22656(S0014) correspond to a region of the predicted gene.; Similar to receptor protein kinase, ERECTA (AC004484) [Oryza sativa]		

Seq. No.	43100	Seq. ID	OJ000450_00.0410.C28
Gene No.	90294	Strand	+
Start	1	End	3072
Name	OJ000450_00.0410.C28.o1.np	Method	AAT/NAP
Start	225	End	3003
GI	625973	Score	663
Exons	225..3003		
GI Descrip.	disease resistance protein RPS2 - Arabidopsis thaliana gi\|548086 (U14158) RPS2 [Arabidopsis thaliana] gi\|549979 (U12860) RPS2 [Arabidopsis thaliana] gi\|4538938\|emb\|CAB39674.1\| (AL049483) disease resistance protein RPS2 [Arabidopsis thaliana]		

Seq. No.	43100	Seq. ID	OJ000450_00.0410.C28
Gene No.	90294	Strand	+
Start	1	End	3072
Name	OJ000450_00.0410.C28.o1.gs	Method	GENSCAN
Start	234	End	3008

GI	none	Score	.97
Exons	234..3008		

Seq. No.	43100	Seq. ID	OJ000450_00.0410.C28
Gene No.	90294	Strand	+
Start	1	End	3072
Name	OJ000450_00.0410.C28.o1.tc	Method	TBLASTX:Cress
Start	333	End	2891
GI	none	Score	74
Exons	333..512, 971..1063, 972..1064, 1062..1238, 1188..1337, 1220..1330, 1374..1802, 1382..1531, 1581..1664, 2217..2384, 2715..2891		

Seq. No.	43100	Seq. ID	OJ000450_00.0410.C28
Gene No.	90294	Strand	+
Start	1	End	3072
Name	OJ000450_00.0410.C28.o1.tm	Method	TBLASTX:Maize
Start	831	End	1184
GI	none	Score	156
Exons	831..1037, 848..1036, 1041..1184		

Seq. No.	43101	Seq. ID	OJ000450_00.0410.C29
Gene No.	90295	Strand	-
Start	1	End	814
Name	OJ000450_00.0410.C29.o1.np	Method	AAT/NAP
Start	1	End	814
GI	7106508	Score	352
Exons	1..39, 337..556, 613..814		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	43101	Seq. ID	OJ000450_00.0410.C29
Gene No.	90295	Strand	-
Start	1	End	814
Name	OJ000450_00.0410.C29.o1.gs	Method	GENSCAN
Start	42	End	625
GI	none	Score	.65
Exons	42..226, 292..625		

Seq. No.	43102	Seq. ID	OJ000250_99.0316.C1
Gene No.	90296	Strand	+
Start	444	End	503
Name	OJ000250_99.0316.C1.o1.gs	Method	GENSCAN
Start	444	End	503
GI	none	Score	.89
Exons	444..503		

Seq. No.	43102	Seq. ID	OJ000250_99.0316.C1
Gene No.	90297	Strand	-
Start	1	End	404
Name	OJ000250_99.0316.C1.o1.np	Method	AAT/NAP
Start	1	End	404
GI	7523502	Score	128
Exons	1..80, 311..404		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	43103	Seq. ID	OJ000250_99.0316.C12
Gene No.	90298	Strand	+

Start	6872	End	11809
Name	OJ000250_99.0316.C12.o5.np	Method	AAT/NAP
Start	6872	End	10922
GI	4680183	Score	127
Exons	6872..6895, 10833..10922		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	43103	Seq. ID	OJ000250_99.0316.C12
Gene No.	90298	Strand	+
Start	6872	End	11809
Name	OJ000250_99.0316.C12.o3.np	Method	AAT/NAP
Start	9637	End	11809
GI	7248394	Score	47
Exons	9637..9802, 11772..11809		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	43103	Seq. ID	OJ000250_99.0316.C12
Gene No.	90299	Strand	-
Start	596	End	2526
Name	OJ000250_99.0316.C12.o1.np	Method	AAT/NAP
Start	596	End	2221
GI	6539588	Score	224
Exons	596..611, 1936..2221		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	43103	Seq. ID	OJ000250_99.0316.C12
Gene No.	90299	Strand	-
Start	596	End	2526
Name	OJ000250_99.0316.C12.o2.np	Method	AAT/NAP
Start	1116	End	2526
GI	7523502	Score	147
Exons	1116..1240, 2008..2140, 2433..2526		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	43103	Seq. ID	OJ000250_99.0316.C12
Gene No.	90300	Strand	-
Start	9997	End	11809
Name	OJ000250_99.0316.C12.o6.np	Method	AAT/NAP
Start	9997	End	11809
GI	7340881	Score	202
Exons	9997..10027, 11592..11809		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	43103	Seq. ID	OJ000250_99.0316.C12
Gene No.	90300	Strand	-
Start	9997	End	11809
Name	OJ000250_99.0316.C12.o2.gs	Method	GENSCAN
Start	10499	End	10800
GI	none	Score	.8
Exons	10499..10638, 10749..10800		

Seq. No.	43103	Seq. ID	OJ000250_99.0316.C12
Gene No.	90300	Strand	-

Start	9997	End	11809
Name	OJ000250_99.0316.C12.o4.np	Method	AAT/NAP
Start	10710	End	10800
GI	6721561	Score	139
Exons	10710..10800		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43103	Seq. ID	OJ000250_99.0316.C12
Gene No.	90300	Strand	-
Start	9997	End	11809
Name	OJ000250_99.0316.C12.o3.gs	Method	GENSCAN
Start	11246	End	11366
GI	none	Score	.85
Exons	11246..11366		

Seq. No.	43104	Seq. ID	OJ000250_99.0316.C13
Gene No.	90301	Strand	-
Start	1	End	343
Name	OJ000250_99.0316.C13.o1.np	Method	AAT/NAP
Start	1	End	343
GI	7340881	Score	197
Exons	1..110, 257..343		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	43105	Seq. ID	OJ000250_99.0316.C14
Gene No.	90302	Strand	+
Start	695	End	2618
Name	OJ000250_99.0316.C14.o1.np	Method	AAT/NAP
Start	695	End	2618
GI	5852180	Score	456
Exons	695..761, 1744..1858, 1909..2333, 2518..2618		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	43105	Seq. ID	OJ000250_99.0316.C14
Gene No.	90302	Strand	+
Start	695	End	2618
Name	OJ000250_99.0316.C14.o1.gs	Method	GENSCAN
Start	947	End	1598
GI	none	Score	.58
Exons	947..1007, 1480..1598		

Seq. No.	43105	Seq. ID	OJ000250_99.0316.C14
Gene No.	90303	Strand	-
Start	606	End	987
Name	OJ000250_99.0316.C14.o1.gp	Method	AAT/GAP
Start	606	End	987
GI	uC-osf1cyp033a04b1	Score	635
Exons	606..987		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	43105	Seq. ID	OJ000250_99.0316.C14
Gene No.	90304	Strand	-

Start	1860	End	2303
Name	OJ000250_99.0316.C14.o2.gs	Method	GENSCAN
Start	1860	End	2303
GI	none	Score	.81
Exons	1860..2303		

Seq. No.	43106	Seq. ID	OJ000250_99.0316.C15
Gene No.	90305	Strand	+
Start	60	End	1473
Name	OJ000250_99.0316.C15.o1.gs	Method	GENSCAN
Start	60	End	1179
GI	none	Score	.47
Exons	60..155, 216..521, 806..1179		

Seq. No.	43106	Seq. ID	OJ000250_99.0316.C15
Gene No.	90305	Strand	+
Start	60	End	1473
Name	OJ000250_99.0316.C15.o1.np	Method	AAT/NAP
Start	137	End	1473
GI	7248394	Score	1558
Exons	137..762, 806..1087, 1358..1473		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	43106	Seq. ID	OJ000250_99.0316.C15
Gene No.	90305	Strand	+
Start	60	End	1473
Name	OJ000250_99.0316.C15.o2.ts	Method	TBLASTX:Soybean
Start	236	End	598
GI	none	Score	201
Exons	236..598		

Seq. No.	43106	Seq. ID	OJ000250_99.0316.C15
Gene No.	90305	Strand	+
Start	60	End	1473
Name	OJ000250_99.0316.C15.o1.ts	Method	TBLASTX:Soybean
Start	1057	End	1425
GI	none	Score	145
Exons	1057..1275, 1291..1425		

Seq. No.	43106	Seq. ID	OJ000250_99.0316.C15
Gene No.	90305	Strand	+
Start	60	End	1473
Name	OJ000250_99.0316.C15.o1.tw	Method	TBLASTX:Wheat
Start	1219	End	1470
GI	none	Score	394
Exons	1219..1470, 1236..1469, 1348..1470		

Seq. No.	43106	Seq. ID	OJ000250_99.0316.C15
Gene No.	90305	Strand	+
Start	60	End	1473
Name	OJ000250_99.0316.C15.o1.tm	Method	TBLASTX:Maize
Start	1279	End	1472
GI	none	Score	260

Exons	1279..1470, 1281..1472		
Seq. No.	43107	Seq. ID	OJ000250_99.0316.C16
Gene No.	90306	Strand	+
Start	1	End	3995
Name	OJ000250_99.0316.C16.o1.np	Method	AAT/NAP
Start	1	End	1535
GI	7228457	Score	491
Exons	1..255, 304..1535		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		
Seq. No.	43107	Seq. ID	OJ000250_99.0316.C16
Gene No.	90306	Strand	+
Start	1	End	3995
Name	OJ000250_99.0316.C16.o1.gs	Method	GENSCAN
Start	289	End	3995
GI	none	Score	.54
Exons	289..477, 726..879, 1210..1398, 1497..1775, 2345..2375, 3501..3627, 3787..3824, 3935..3995		
Seq. No.	43107	Seq. ID	OJ000250_99.0316.C16
Gene No.	90306	Strand	+
Start	1	End	3995
Name	OJ000250_99.0316.C16.o1.gp	Method	AAT/GAP
Start	3646	End	3824
GI	none	Score	147
Exons	3646..3701, 3787..3824		
Seq. No.	43107	Seq. ID	OJ000250_99.0316.C16
Gene No.	90307	Strand	-
Start	4757	End	5573
Name	OJ000250_99.0316.C16.o1.tm	Method	TBLASTX:Maize
Start	555	End	935
GI	none	Score	75
Exons	555..707, 732..935		
Seq. No.	43107	Seq. ID	OJ000250_99.0316.C16
Gene No.	90307	Strand	-
Start	4757	End	5573
Name	OJ000250_99.0316.C16.o2.ts	Method	TBLASTX:Soybean
Start	561	End	956
GI	none	Score	211
Exons	561..956, 636..779, 722..856		
Seq. No.	43107	Seq. ID	OJ000250_99.0316.C16
Gene No.	90307	Strand	-
Start	4757	End	5573
Name	OJ000250_99.0316.C16.o1.tw	Method	TBLASTX:Wheat
Start	1107	End	1520
GI	none	Score	105
Exons	1107..1283, 1287..1520		
Seq. No.	43107	Seq. ID	OJ000250_99.0316.C16
Gene No.	90307	Strand	-
Start	4757	End	5573

Name	OJ000250_99.0316.C16.o1.ts	Method	TBLASTX:Soybean
Start	1296	End	1541
GI	none	Score	250
Exons	1296..1541, 1343..1426, 1496..1537		

Seq. No.	43107	Seq. ID	OJ000250_99.0316.C16
Gene No.	90307	Strand	-
Start	4757	End	5573
Name	OJ000250_99.0316.C16.o2.gs	Method	GENSCAN
Start	4757	End	5573
GI	none	Score	.65
Exons	4757..4881, 5519..5573		

Seq. No.	43108	Seq. ID	OJ000250_99.0316.C17
Gene No.	90308	Strand	+
Start	613	End	766
Name	OJ000250_99.0316.C17.o1.gs	Method	GENSCAN
Start	613	End	766
GI	none	Score	.49
Exons	613..766		

Seq. No.	43108	Seq. ID	OJ000250_99.0316.C17
Gene No.	90309	Strand	-
Start	290	End	878
Name	OJ000250_99.0316.C17.o1.np	Method	AAT/NAP
Start	290	End	878
GI	5852178	Score	192
Exons	290..385, 749..878		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	43109	Seq. ID	OJ000250_99.0316.C18
Gene No.	90310	Strand	+
Start	1	End	835
Name	OJ000250_99.0316.C18.o1.np	Method	AAT/NAP
Start	1	End	835
GI	4234854	Score	980
Exons	1..835		
GI Descrip.	(AF082134) pol polyprotein [Zea mays]		

Seq. No.	43109	Seq. ID	OJ000250_99.0316.C18
Gene No.	90310	Strand	+
Start	1	End	835
Name	OJ000250_99.0316.C18.o1.tm	Method	TBLASTX:Maize
Start	21	End	317
GI	none	Score	238
Exons	21..317, 161..316		

Seq. No.	43109	Seq. ID	OJ000250_99.0316.C18
Gene No.	90310	Strand	+
Start	1	End	835
Name	OJ000250_99.0316.C18.o1.ts	Method	TBLASTX:Soybean
Start	207	End	781
GI	none	Score	105
Exons	207..386, 397..498, 401..502, 599..781		

Seq. No.	43109	Seq. ID	OJ000250_99.0316.C18
Gene No.	90310	Strand	+

Start	1	End	835
Name	OJ000250_99.0316.C18.o1.tw	Method	TBLASTX:Wheat
Start	392	End	784
GI	none	Score	120
Exons	392..520, 403..519, 518..784		

Seq. No.	43110	Seq. ID	OJ000250_99.0316.C19
Gene No.	90311	Strand	-
Start	132	End	668
Name	OJ000250_99.0316.C19.o1.gs	Method	GENSCAN
Start	132	End	668
GI	none	Score	.54
Exons	132..219, 247..371, 581..668		

Seq. No.	43111	Seq. ID	OJ000250_99.0316.C22
Gene No.	90312	Strand	+
Start	1	End	542
Name	OJ000250_99.0316.C22.o1.gp	Method	AAT/GAP
Start	1	End	542
GI	none	Score	1004
Exons	1..542		

Seq. No.	43112	Seq. ID	OJ000250_99.0316.C24
Gene No.	90313	Strand	-
Start	1	End	1525
Name	OJ000250_99.0316.C24.o1.np	Method	AAT/NAP
Start	1	End	1525
GI	7248394	Score	1560
Exons	1..212, 531..1525		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	43112	Seq. ID	OJ000250_99.0316.C24
Gene No.	90313	Strand	-
Start	1	End	1525
Name	OJ000250_99.0316.C24.o2.ts	Method	TBLASTX:Soybean
Start	397	End	696
GI	none	Score	49
Exons	397..426, 401..442, 429..521, 454..510, 558..695, 580..696		

Seq. No.	43112	Seq. ID	OJ000250_99.0316.C24
Gene No.	90313	Strand	-
Start	1	End	1525
Name	OJ000250_99.0316.C24.o1.gs	Method	GENSCAN
Start	802	End	1283
GI	none	Score	.66
Exons	802..1066, 1109..1283		

Seq. No.	43112	Seq. ID	OJ000250_99.0316.C24
Gene No.	90313	Strand	-
Start	1	End	1525
Name	OJ000250_99.0316.C24.o1.ts	Method	TBLASTX:Soybean
Start	849	End	1316
GI	none	Score	131

Exons	849..1037, 1024..1281, 1038..1316, 1074..1286		
Seq. No.	43112	Seq. ID	OJ000250_99.0316.C24
Gene No.	90313	Strand	-
Start	1	End	1525
Name	OJ000250_99.0316.C24.o2.tw	Method	TBLASTX:Wheat
Start	933	End	1313
GI	none	Score	70
Exons	933..1037, 1005..1313, 1101..1259		
Seq. No.	43112	Seq. ID	OJ000250_99.0316.C24
Gene No.	90313	Strand	-
Start	1	End	1525
Name	OJ000250_99.0316.C24.o1.tm	Method	TBLASTX:Maize
Start	1006	End	1463
GI	none	Score	300
Exons	1006..1146, 1008..1463, 1009..1314, 1399..1461		
Seq. No.	43112	Seq. ID	OJ000250_99.0316.C24
Gene No.	90313	Strand	-
Start	1	End	1525
Name	OJ000250_99.0316.C24.o1.tw	Method	TBLASTX:Wheat
Start	1331	End	1524
GI	none	Score	82
Exons	1331..1504, 1383..1523, 1386..1523, 1399..1524		
Seq. No.	43113	Seq. ID	OJ000250_99.0316.C25
Gene No.	90314	Strand	-
Start	152	End	3501
Name	OJ000250_99.0316.C25.o1.gs	Method	GENSCAN
Start	152	End	3501
GI	none	Score	.68
Exons	152..361, 566..1273, 1359..1610, 2323..2504, 2567..2732, 3484..3501		
Seq. No.	43113	Seq. ID	OJ000250_99.0316.C25
Gene No.	90315	Strand	-
Start	4003	End	5162
Name	OJ000250_99.0316.C25.o1.tw	Method	TBLASTX:Wheat
Start	3633	End	4841
GI	none	Score	67
Exons	3633..3701, 3708..3812, 3715..3807, 3825..3929, 3826..3930, 3918..4112, 3952..4080, 4128..4841, 4312..4596		
Seq. No.	43113	Seq. ID	OJ000250_99.0316.C25
Gene No.	90315	Strand	-
Start	4003	End	5162
Name	OJ000250_99.0316.C25.o2.tm	Method	TBLASTX:Maize
Start	3942	End	4232
GI	none	Score	72
Exons	3942..4058, 3943..4050, 4062..4232, 4071..4223		
Seq. No.	43113	Seq. ID	OJ000250_99.0316.C25
Gene No.	90315	Strand	-
Start	4003	End	5162
Name	OJ000250_99.0316.C25.o3.np	Method	AAT/NAP
Start	4003	End	5162

GI	6742729	Score	733
Exons	4003..5162		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	43113	Seq. ID	OJ000250_99.0316.C25
Gene No.	90315	Strand	-
Start	4003	End	5162
Name	OJ000250_99.0316.C25.o1.tc	Method	TBLASTX:Cress
Start	4128	End	4551
GI	none	Score	63
Exons	4128..4550, 4311..4514, 4312..4551		

Seq. No.	43113	Seq. ID	OJ000250_99.0316.C25
Gene No.	90315	Strand	-
Start	4003	End	5162
Name	OJ000250_99.0316.C25.o1.tm	Method	TBLASTX:Maize
Start	4485	End	4865
GI	none	Score	69
Exons	4485..4586, 4485..4796, 4486..4797, 4797..4865		

Seq. No.	43114	Seq. ID	OJ000250_99.0316.C28
Gene No.	90316	Strand	-
Start	167	End	224
Name	OJ000250_99.0316.C28.o1.gs	Method	GENSCAN
Start	167	End	224
GI	none	Score	.59
Exons	167..224		

Seq. No.	43115	Seq. ID	OJ000250_99.0316.C29
Gene No.	90317	Strand	-
Start	8589	End	8941
Name	OJ000250_99.0316.C29.o1.np	Method	AAT/NAP
Start	8589	End	8941
GI	6539572	Score	246
Exons	8589..8700, 8736..8941		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	43116	Seq. ID	OJ000250_99.0316.C30
Gene No.	90318	Strand	+
Start	1214	End	1400
Name	OJ000250_99.0316.C30.o1.gp	Method	AAT/GAP
Start	1214	End	1400
GI	none	Score	339
Exons	1214..1400		

Seq. No.	43116	Seq. ID	OJ000250_99.0316.C30
Gene No.	90319	Strand	+
Start	7003	End	10790
Name	OJ000250_99.0316.C30.o2.np	Method	AAT/NAP
Start	7003	End	10790
GI	4836944	Score	220
Exons	7003..7062, 9402..9529, 9613..9819, 9917..9997, 10663..10790		
GI Descrip.	(AC006085) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43116	Seq. ID	OJ000250_99.0316.C30
Gene No.	90319	Strand	+
Start	7003	End	10790

Name	OJ000250_99.0316.C30.o3.gs	Method	GENSCAN
Start	8926	End	10003
GI	none	Score	.58
Exons	8926..9215, 9415..9529, 9631..9819, 9917..10003		

Seq. No.	43116	Seq. ID	OJ000250_99.0316.C30
Gene No.	90320	Strand	-
Start	26	End	4563
Name	OJ000250_99.0316.C30.o1.gs	Method	GENSCAN
Start	26	End	4282
GI	none	Score	.61
Exons	26..195, 819..848, 1067..1182, 1265..1347, 1584..1807, 2436..2519, 3901..4282		

Seq. No.	43116	Seq. ID	OJ000250_99.0316.C30
Gene No.	90320	Strand	-
Start	26	End	4563
Name	OJ000250_99.0316.C30.o2.gp	Method	AAT/GAP
Start	1887	End	4563
GI	none	Score	1086
Exons	1887..1935, 2436..2519, 4117..4563		

Seq. No.	43116	Seq. ID	OJ000250_99.0316.C30
Gene No.	90321	Strand	-
Start	6272	End	7810
Name	OJ000250_99.0316.C30.o3.gp	Method	AAT/GAP
Start	6146	End	6954
GI	none	Score	1421
Exons	6146..6954		

Seq. No.	43116	Seq. ID	OJ000250_99.0316.C30
Gene No.	90321	Strand	-
Start	6272	End	7810
Name	OJ000250_99.0316.C30.o2.gs	Method	GENSCAN
Start	6272	End	7810
GI	none	Score	.99
Exons	6272..7810		

Seq. No.	43116	Seq. ID	OJ000250_99.0316.C30
Gene No.	90321	Strand	-
Start	6272	End	7810
Name	OJ000250_99.0316.C30.o1.tm	Method	TBLASTX:Maize
Start	7293	End	7753
GI	none	Score	110
Exons	7293..7421, 7298..7420, 7300..7422, 7464..7499, 7466..7540, 7472..7513, 7553..7735, 7554..7724, 7556..7753		

Seq. No.	43116	Seq. ID	OJ000250_99.0316.C30
Gene No.	90321	Strand	-
Start	6272	End	7810
Name	OJ000250_99.0316.C30.o4.gp	Method	AAT/GAP
Start	7348	End	7719
GI	none	Score	709
Exons	7348..7719		

Seq. No.	43116	Seq. ID	OJ000250_99.0316.C30
Gene No.	90322	Strand	

Start	9404	End	9978
Name	OJ000250_99.0316.C30.o1.ts	Method	TBLASTX:Soybean
Start	9404	End	9967
GI	none	Score	107
Exons	9404..9523, 9628..9819, 9639..9818, 9917..9967		

Seq. No.	43116	Seq. ID	OJ000250_99.0316.C30
Gene No.	90322	Strand	
Start	9404	End	9978
Name	OJ000250_99.0316.C30.o2.tm	Method	TBLASTX:Maize
Start	9404	End	9978
GI	none	Score	64
Exons	9404..9451, 9424..9522, 9425..9523, 9445..9525, 9628..9819, 9630..9818, 9916..9978, 9917..9967		

Seq. No.	43117	Seq. ID	OJ000250_99.0316.C31
Gene No.	90323	Strand	+
Start	432	End	525
Name	OJ000250_99.0316.C31.o1.np	Method	AAT/NAP
Start	432	End	525
GI	7523502	Score	103
Exons	432..525		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	43117	Seq. ID	OJ000250_99.0316.C31
Gene No.	90324	Strand	-
Start	3038	End	5326
Name	OJ000250_99.0316.C31.o2.gs	Method	GENSCAN
Start	3038	End	5326
GI	none	Score	.57
Exons	3038..3231, 3599..3737, 3815..3907, 4042..4084, 4308..4467, 4478..4560, 4644..4787, 4815..5326		

Seq. No.	43118	Seq. ID	OJ000250_99.0316.C32
Gene No.	90325	Strand	+
Start	857	End	2649
Name	OJ000250_99.0316.C32.o1.np	Method	AAT/NAP
Start	857	End	2649
GI	6539588	Score	96
Exons	857..962, 1603..1862, 2614..2649		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	43118	Seq. ID	OJ000250_99.0316.C32
Gene No.	90326	Strand	-
Start	856	End	2649
Name	OJ000250_99.0316.C32.o1.gs	Method	GENSCAN
Start	856	End	2570
GI	none	Score	.45
Exons	856..908, 2483..2570		

Seq. No.	43118	Seq. ID	OJ000250_99.0316.C32
Gene No.	90326	Strand	-
Start	856	End	2649
Name	OJ000250_99.0316.C32.o2.np	Method	AAT/NAP
Start	2339	End	2649
GI	5295955	Score	297
Exons	2339..2649		

GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		
Seq. No.	43119	Seq. ID	OJ000250_99.0316.C33
Gene No.	90327	Strand	-
Start	1	End	1026
Name	OJ000250_99.0316.C33.o1.np	Method	AAT/NAP
Start	1	End	1026
GI	5295955	Score	177
Exons	1..75, 756..874, 908..1026		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		
Seq. No.	43120	Seq. ID	OJ000250_99.0316.C34
Gene No.	90328	Strand	+
Start	1212	End	1633
Name	OJ000250_99.0316.C34.o1.gs	Method	GENSCAN
Start	1212	End	1633
GI	none	Score	.46
Exons	1212..1374, 1407..1633		
Seq. No.	43120	Seq. ID	OJ000250_99.0316.C34
Gene No.	90329	Strand	+
Start	5829	End	6270
Name	OJ000250_99.0316.C34.o3.gs	Method	GENSCAN
Start	5829	End	6270
GI	none	Score	.98
Exons	5829..5913, 6029..6270		
Seq. No.	43120	Seq. ID	OJ000250_99.0316.C34
Gene No.	90330	Strand	-
Start	375	End	531
Name	OJ000250_99.0316.C34.o1.np	Method	AAT/NAP
Start	375	End	531
GI	7363271	Score	102
Exons	375..531		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		
Seq. No.	43120	Seq. ID	OJ000250_99.0316.C34
Gene No.	90331	Strand	-
Start	2975	End	4986
Name	OJ000250_99.0316.C34.o2.gs	Method	GENSCAN
Start	2975	End	4986
GI	none	Score	.63
Exons	2975..3169, 3723..3836, 3930..3933, 4970..4986		
Seq. No.	43120	Seq. ID	OJ000250_99.0316.C34
Gene No.	90332	Strand	-
Start	7983	End	8996
Name	OJ000250_99.0316.C34.o4.gs	Method	GENSCAN
Start	7983	End	8996
GI	none	Score	.75
Exons	7983..8125, 8151..8251, 8697..8766, 8876..8996		
Seq. No.	43121	Seq. ID	OJ000250_99.0316.C35
Gene No.	90333	Strand	+
Start	5410	End	6020

Name	OJ000250_99.0316.C35.o2.gs	Method	GENSCAN
Start	5410	End	6020
GI	none	Score	1
Exons	5410..5598, 5802..6020		

Seq. No.	43121	Seq. ID	OJ000250_99.0316.C35
Gene No.	90333	Strand	+
Start	5410	End	6020
Name	OJ000250_99.0316.C35.o2.np	Method	AAT/NAP
Start	5410	End	6017
GI	7439702	Score	618
Exons	5410..5598, 5802..6017		
GI Descrip.	histone H2A (clone TH254) - wheat gi\|1154954\|emb\|CAA64356.1\| (X94693) histone H2A [Triticum aestivum]		

Seq. No.	43121	Seq. ID	OJ000250_99.0316.C35
Gene No.	90334	Strand	-
Start	166	End	4615
Name	OJ000250_99.0316.C35.o1.gs	Method	GENSCAN
Start	166	End	4615
GI	none	Score	.73
Exons	166..289, 2609..2669, 3016..3161, 3167..3267, 3272..3419, 3424..3781, 4609..4615		

Seq. No.	43121	Seq. ID	OJ000250_99.0316.C35
Gene No.	90334	Strand	-
Start	166	End	4615
Name	OJ000250_99.0316.C35.o1.np	Method	AAT/NAP
Start	2575	End	3472
GI	5852178	Score	433
Exons	2575..2670, 3034..3136, 3167..3472		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	43121	Seq. ID	OJ000250_99.0316.C35
Gene No.	90335	Strand	
Start	5457	End	6023
Name	OJ000250_99.0316.C35.o1.tc	Method	TBLASTX:Cress
Start	5457	End	6008
GI	none	Score	127
Exons	5457..5531, 5482..5559, 5796..5885, 5799..6008, 5921..5995		

Seq. No.	43121	Seq. ID	OJ000250_99.0316.C35
Gene No.	90335	Strand	
Start	5457	End	6023
Name	OJ000250_99.0316.C35.o1.tm	Method	TBLASTX:Maize
Start	5457	End	6023
GI	none	Score	41
Exons	5457..5531, 5469..5504, 5482..5559, 5796..5885, 5799..6023, 5843..6019		

Seq. No.	43121	Seq. ID	OJ000250_99.0316.C35
Gene No.	90335	Strand	
Start	5457	End	6023
Name	OJ000250_99.0316.C35.o1.ts	Method	TBLASTX:Soybean
Start	5457	End	6020
GI	none	Score	132
Exons	5457..5531, 5482..5559, 5796..5885, 5799..6020, 5843..5986		

Seq. No.	43121	Seq. ID	OJ000250_99.0316.C35
Gene No.	90335	Strand	
Start	5457	End	6023
Name	OJ000250_99.0316.C35.o1.tw	Method	TBLASTX:Wheat
Start	5482	End	5972
GI	none	Score	114
Exons	5482..5559, 5799..5972, 5799..5885, 5921..5971		

Seq. No.	43122	Seq. ID	OJ000250_99.0316.C36
Gene No.	90336	Strand	-
Start	3461	End	9695
Name	OJ000250_99.0316.C36.o1.np	Method	AAT/NAP
Start	3461	End	8351
GI	6815097	Score	2050
Exons	3461..3505, 4967..5194, 5336..6989, 7105..8351		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	43122	Seq. ID	OJ000250_99.0316.C36
Gene No.	90336	Strand	-
Start	3461	End	9695
Name	OJ000250_99.0316.C36.o2.gs	Method	GENSCAN
Start	4960	End	9695
GI	none	Score	.54
Exons	4960..5361, 5467..5559, 5616..7005, 7109..7564, 7644..7816, 8019..8430, 9359..9375, 9465..9695		

Seq. No.	43122	Seq. ID	OJ000250_99.0316.C36
Gene No.	90336	Strand	-
Start	3461	End	9695
Name	OJ000250_99.0316.C36.o1.tc	Method	TBLASTX:Cress
Start	8013	End	8285
GI	none	Score	185
Exons	8013..8285		

Seq. No.	43123	Seq. ID	OJ000250_99.0316.C37
Gene No.	90337	Strand	+
Start	205	End	2070
Name	OJ000250_99.0316.C37.o1.gs	Method	GENSCAN
Start	205	End	2070
GI	none	Score	.71
Exons	205..307, 346..492, 497..766, 1627..1654, 1857..2070		

Seq. No.	43123	Seq. ID	OJ000250_99.0316.C37
Gene No.	90337	Strand	+
Start	205	End	2070
Name	OJ000250_99.0316.C37.o1.np	Method	AAT/NAP
Start	536	End	2067
GI	2118425	Score	243
Exons	536..577, 1891..2067		
GI Descrip.	subtilisin/chymotrypsin inhibitor - maize gi\|475253\|emb\|CAA55588\| (X78988) proteinase inhibitor [Zea mays] gi\|475922\|emb\|CAA49593\| (X69972) proteinase inhibitor [Zea mays] gi\|559538\|emb\|CAA57677\| (X82187) substilin /chymotrypsin-like inhibitor [Zea mays]		

Seq. No.	43123	Seq. ID	OJ000250_99.0316.C37
Gene No.	90338	Strand	-
Start	3827	End	5049
Name	OJ000250_99.0316.C37.o2.tw	Method	TBLASTX:Wheat
Start	1843	End	2076
GI	none	Score	231
Exons	1843..2076, 1887..2057		

Seq. No.	43123	Seq. ID	OJ000250_99.0316.C37
Gene No.	90338	Strand	-
Start	3827	End	5049
Name	OJ000250_99.0316.C37.o2.tm	Method	TBLASTX:Maize
Start	1867	End	2070
GI	none	Score	251
Exons	1867..2070, 1884..2057, 1969..2067		

Seq. No.	43123	Seq. ID	OJ000250_99.0316.C37
Gene No.	90338	Strand	-
Start	3827	End	5049
Name	OJ000250_99.0316.C37.o2.ts	Method	TBLASTX:Soybean
Start	1884	End	2070
GI	none	Score	221
Exons	1884..2057, 1885..2070		

Seq. No.	43123	Seq. ID	OJ000250_99.0316.C37
Gene No.	90338	Strand	-
Start	3827	End	5049
Name	OJ000250_99.0316.C37.o2.gs	Method	GENSCAN
Start	3827	End	4415
GI	none	Score	.49
Exons	3827..3929, 4240..4415		

Seq. No.	43123	Seq. ID	OJ000250_99.0316.C37
Gene No.	90338	Strand	-
Start	3827	End	5049
Name	OJ000250_99.0316.C37.o3.tm	Method	TBLASTX:Maize
Start	3964	End	4203
GI	none	Score	98
Exons	3964..4074, 3965..4063, 4110..4202, 4112..4201, 4113..4202, 4114..4203		

Seq. No.	43123	Seq. ID	OJ000250_99.0316.C37
Gene No.	90338	Strand	-
Start	3827	End	5049
Name	OJ000250_99.0316.C37.o2.np	Method	AAT/NAP
Start	4077	End	5049
GI	6630696	Score	1460
Exons	4077..5049		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	43123	Seq. ID	OJ000250_99.0316.C37
Gene No.	90338	Strand	-
Start	3827	End	5049
Name	OJ000250_99.0316.C37.o1.tw	Method	TBLASTX:Wheat
Start	4213	End	4671

GI	none	Score	198
Exons	4213..4434, 4213..4431, 4215..4439, 4218..4448, 4423..4572, 4433..4582, 4438..4581, 4439..4597, 4577..4666, 4591..4671, 4598..4666, 4611..4670		

Seq. No.	43123	Seq. ID	OJ000250_99.0316.C37
Gene No.	90338	Strand	-
Start	3827	End	5049
Name	OJ000250_99.0316.C37.o1.tm	Method	TBLASTX:Maize
Start	4528	End	4875
GI	none	Score	264
Exons	4528..4875, 4529..4861		

Seq. No.	43123	Seq. ID	OJ000250_99.0316.C37
Gene No.	90338	Strand	-
Start	3827	End	5049
Name	OJ000250_99.0316.C37.o1.ts	Method	TBLASTX:Soybean
Start	4679	End	5026
GI	none	Score	68
Exons	4679..4864, 4687..4866, 4867..5025, 4898..5026		

Seq. No.	43124	Seq. ID	OJ000250_99.0316.C38
Gene No.	90339	Strand	+
Start	4924	End	6983
Name	OJ000250_99.0316.C38.o2.np	Method	AAT/NAP
Start	4924	End	6983
GI	6069646	Score	987
Exons	4924..5714, 5997..6983		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	43124	Seq. ID	OJ000250_99.0316.C38
Gene No.	90340	Strand	+
Start	12342	End	12514
Name	OJ000250_99.0316.C38.o1.gp	Method	AAT/GAP
Start	12342	End	12514
GI	LIB3433-026-P1-K1-C1	Score	258
Exons	12342..12514		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	43124	Seq. ID	OJ000250_99.0316.C38
Gene No.	90341	Strand	-
Start	1	End	2458
Name	OJ000250_99.0316.C38.o1.np	Method	AAT/NAP
Start	1	End	2458
GI	6630696	Score	3758
Exons	1..2458		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	43124	Seq. ID	OJ000250_99.0316.C38
Gene No.	90342	Strand	-

Start	10400	End	13231
Name	OJ000250_99.0316.C38.o1.tw	Method	TBLASTX:Wheat
Start	73	End	823
GI	none	Score	181
Exons	73..261, 77..256, 247..387, 275..391, 362..619, 385..618, 388..795, 396..794, 670..795, 782..823		

Seq. No.	43124	Seq. ID	OJ000250_99.0316.C38
Gene No.	90342	Strand	-
Start	10400	End	13231
Name	OJ000250_99.0316.C38.o1.ts	Method	TBLASTX:Soybean
Start	474	End	871
GI	none	Score	71
Exons	474..647, 625..789, 642..794, 782..871		

Seq. No.	43124	Seq. ID	OJ000250_99.0316.C38
Gene No.	90342	Strand	-
Start	10400	End	13231
Name	OJ000250_99.0316.C38.o8.tm	Method	TBLASTX:Maize
Start	660	End	1123
GI	none	Score	187
Exons	660..794, 752..1123		

Seq. No.	43124	Seq. ID	OJ000250_99.0316.C38
Gene No.	90342	Strand	-
Start	10400	End	13231
Name	OJ000250_99.0316.C38.o4.tw	Method	TBLASTX:Wheat
Start	824	End	1162
GI	none	Score	84
Exons	824..1162, 825..1052, 833..1087		

Seq. No.	43124	Seq. ID	OJ000250_99.0316.C38
Gene No.	90342	Strand	-
Start	10400	End	13231
Name	OJ000250_99.0316.C38.o3.tm	Method	TBLASTX:Maize
Start	1209	End	1599
GI	none	Score	52
Exons	1209..1304, 1211..1303, 1268..1594, 1305..1595, 1318..1599, 1332..1598		

Seq. No.	43124	Seq. ID	OJ000250_99.0316.C38
Gene No.	90342	Strand	-
Start	10400	End	13231
Name	OJ000250_99.0316.C38.o5.tm	Method	TBLASTX:Maize
Start	2132	End	2416
GI	none	Score	117
Exons	2132..2416, 2135..2413		

Seq. No.	43124	Seq. ID	OJ000250_99.0316.C38
Gene No.	90342	Strand	-
Start	10400	End	13231
Name	OJ000250_99.0316.C38.o2.tw	Method	TBLASTX:Wheat
Start	2168	End	2563
GI	none	Score	135
Exons	2168..2299, 2168..2452, 2247..2363, 2429..2563, 2466..2546		

Seq. No.	43124	Seq. ID	OJ000250_99.0316.C38

Gene No.	90342	Strand	-
Start	10400	End	13231
Name	OJ000250_99.0316.C38.o6.tm	Method	TBLASTX:Maize
Start	4409	End	4736
GI	none	Score	229
Exons	4409..4633, 4410..4736		

Seq. No.	43124	Seq. ID	OJ000250_99.0316.C38
Gene No.	90342	Strand	-
Start	10400	End	13231
Name	OJ000250_99.0316.C38.o6.tw	Method	TBLASTX:Wheat
Start	4812	End	5147
GI	none	Score	92
Exons	4812..4946, 4904..5143, 4941..5147		

Seq. No.	43124	Seq. ID	OJ000250_99.0316.C38
Gene No.	90342	Strand	-
Start	10400	End	13231
Name	OJ000250_99.0316.C38.o4.tm	Method	TBLASTX:Maize
Start	4902	End	5246
GI	none	Score	315
Exons	4902..5246, 4916..5215		

Seq. No.	43124	Seq. ID	OJ000250_99.0316.C38
Gene No.	90342	Strand	-
Start	10400	End	13231
Name	OJ000250_99.0316.C38.o7.tw	Method	TBLASTX:Wheat
Start	5172	End	5456
GI	none	Score	193
Exons	5172..5456, 5348..5377		

Seq. No.	43124	Seq. ID	OJ000250_99.0316.C38
Gene No.	90342	Strand	-
Start	10400	End	13231
Name	OJ000250_99.0316.C38.o1.tm	Method	TBLASTX:Maize
Start	5247	End	5939
GI	none	Score	406
Exons	5247..5939, 5259..5402, 5481..5645, 5729..5935		

Seq. No.	43124	Seq. ID	OJ000250_99.0316.C38
Gene No.	90342	Strand	-
Start	10400	End	13231
Name	OJ000250_99.0316.C38.o3.tw	Method	TBLASTX:Wheat
Start	5574	End	6014
GI	none	Score	206
Exons	5574..5870, 5576..5647, 5871..6014, 5874..5972, 5957..6010		

Seq. No.	43124	Seq. ID	OJ000250_99.0316.C38
Gene No.	90342	Strand	-
Start	10400	End	13231
Name	OJ000250_99.0316.C38.o7.tm	Method	TBLASTX:Maize
Start	5979	End	6284
GI	none	Score	176
Exons	5979..6170, 5999..6169, 6177..6284		

Seq. No.	43124	Seq. ID	OJ000250_99.0316.C38
Gene No.	90342	Strand	-

Start	10400	End	13231
Name	OJ000250_99.0316.C38.o2.tm	Method	TBLASTX:Maize
Start	6402	End	6970
GI	none	Score	261
Exons	6402..6737, 6470..6610, 6752..6970, 6756..6968		

Seq. No.	43124	Seq. ID	OJ000250_99.0316.C38
Gene No.	90342	Strand	-
Start	10400	End	13231
Name	OJ000250_99.0316.C38.o5.tw	Method	TBLASTX:Wheat
Start	6489	End	6857
GI	none	Score	179
Exons	6489..6701, 6810..6857		

Seq. No.	43124	Seq. ID	OJ000250_99.0316.C38
Gene No.	90342	Strand	-
Start	10400	End	13231
Name	OJ000250_99.0316.C38.o3.np	Method	AAT/NAP
Start	10392	End	11708
GI	5852179	Score	249
Exons	10392..10587, 10662..10862, 11688..11708		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	43124	Seq. ID	OJ000250_99.0316.C38
Gene No.	90342	Strand	-
Start	10400	End	13231
Name	OJ000250_99.0316.C38.o3.gs	Method	GENSCAN
Start	10400	End	13231
GI	none	Score	.47
Exons	10400..10612, 10746..10907, 11688..11811, 13059..13231		

Seq. No.	43125	Seq. ID	OJ000250_99.0316.C40
Gene No.	90343	Strand	-
Start	1	End	967
Name	OJ000250_99.0316.C40.o1.np	Method	AAT/NAP
Start	1	End	648
GI	2498930	Score	740
Exons	1..412, 580..648		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	43125	Seq. ID	OJ000250_99.0316.C40
Gene No.	90343	Strand	-
Start	1	End	967
Name	OJ000250_99.0316.C40.o1.gs	Method	GENSCAN
Start	110	End	967
GI	none	Score	.79
Exons	110..412, 580..639, 762..883, 948..967		

Seq. No.	43126	Seq. ID	OJ000250_93.0307.C4
Gene No.	90344	Strand	-
Start	66	End	944
Name	OJ000250_93.0307.C4.o1.gs	Method	GENSCAN
Start	66	End	805
GI	none	Score	.63
Exons	66..388, 679..805		

Seq. No.	43126	Seq. ID	OJ000250_93.0307.C4
Gene No.	90344	Strand	-
Start	66	End	944
Name	OJ000250_93.0307.C4.o1.gp	Method	AAT/GAP
Start	525	End	805
GI	none	Score	535
Exons	525..805		

Seq. No.	43126	Seq. ID	OJ000250_93.0307.C4
Gene No.	90344	Strand	-
Start	66	End	944
Name	OJ000250_93.0307.C4.o1.ts	Method	TBLASTX:Soybean
Start	677	End	944
GI	none	Score	58
Exons	677..808, 894..944		

Seq. No.	43127	Seq. ID	OJ000250_93.0307.C5
Gene No.	90345	Strand	+
Start	1102	End	1594
Name	OJ000250_93.0307.C5.o1.gp	Method	AAT/GAP
Start	1102	End	1594
GI	1777_1.R1084	Score	844
Exons	1102..1594		
GI Descrip.	'6015437/dbj\|AB008112.1\|AB008112 2.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	43127	Seq. ID	OJ000250_93.0307.C5
Gene No.	90346	Strand	-
Start	1	End	3359
Name	OJ000250_93.0307.C5.o1.np	Method	AAT/NAP
Start	1	End	2193
GI	3894194	Score	57
Exons	1..20, 931..1058, 2151..2193		
GI Descrip.	(AC005662) putative strictosidine synthase [Arabidopsis thaliana]		

Seq. No.	43127	Seq. ID	OJ000250_93.0307.C5
Gene No.	90346	Strand	-
Start	1	End	3359
Name	OJ000250_93.0307.C5.o1.gs	Method	GENSCAN
Start	511	End	3359
GI	none	Score	.71
Exons	511..701, 914..1175, 1429..1470, 2798..2823, 3050..3078, 3196..3359		

Seq. No.	43127	Seq. ID	OJ000250_93.0307.C5
Gene No.	90346	Strand	-
Start	1	End	3359
Name	OJ000250_93.0307.C5.o1.tm	Method	TBLASTX:Maize
Start	1779	End	2413
GI	none	Score	64
Exons	1779..1853, 1910..2047, 1924..2013, 1927..2049, 1928..2164, 1930..2061, 2033..2203, 2037..2159, 2047..2169, 2049..2171, 2058..2165, 2059..2169, 2063..2209, 2063..2215, 2083..2121, 2083..2181, 2083..2169, 2150..2254, 2151..2243, 2204..2296, 2205..2294, 2205..2303, 2231..2383, 2233..2388, 2234..2383, 2243..2392, 2258..2377, 2270..2413, 2287..2406, 2301..2363		

Seq. No.	43128	Seq. ID	OJ000250_93.0307.C6
Gene No.	90347	Strand	+
Start	873	End	960
Name	OJ000250_93.0307.C6.o2.np	Method	AAT/NAP
Start	873	End	960
GI	5852084	Score	64
Exons	873..960		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	43128	Seq. ID	OJ000250_93.0307.C6
Gene No.	90348	Strand	+
Start	1391	End	6983
Name	OJ000250_93.0307.C6.o1.gp	Method	AAT/GAP
Start	1391	End	6209
GI	775_2.R1084	Score	3165
Exons	1391..1577, 1963..2025, 2185..2268, 2653..2760, 2914..3086, 4086..4197, 4320..4400, 4507..4569, 4660..4761, 4959..5083, 5212..5422, 5510..5584, 5846..6209		
GI Descrip.	'2384760 0.0e+00 (AF016897) GDP dissociation inhibitor protein OsGDI2 [Oryza sativa]'		

Seq. No.	43128	Seq. ID	OJ000250_93.0307.C6
Gene No.	90348	Strand	+
Start	1391	End	6983
Name	OJ000250_93.0307.C6.o1.gs	Method	GENSCAN
Start	1429	End	6983
GI	none	Score	.77
Exons	1429..1577, 1963..2025, 2653..2760, 2914..3086, 4086..4197, 4320..4400, 4507..4569, 4959..5083, 5212..5422, 5510..5584, 6239..6274, 6786..6983		

Seq. No.	43128	Seq. ID	OJ000250_93.0307.C6
Gene No.	90348	Strand	+
Start	1391	End	6983
Name	OJ000250_93.0307.C6.o1.tc	Method	TBLASTX:Cress
Start	1485	End	5592
GI	none	Score	149
Exons	1485..1580, 1520..1579, 1956..2021, 1957..2034, 2184..2267, 2185..2295, 2641..2763, 2646..2762, 2896..3087, 2922..3086, 4087..4200, 4087..4194, 4315..4401, 4320..4400, 4498..4572, 4500..4577, 4653..4763, 4659..4766, 4660..4764, 4944..5084, 4953..5084, 4958..5086, 4958..5095, 5047..5103, 5206..5445, 5213..5446, 5509..5592, 5510..5584		

Seq. No.	43128	Seq. ID	OJ000250_93.0307.C6
Gene No.	90348	Strand	+
Start	1391	End	6983
Name	OJ000250_93.0307.C6.o1.tm	Method	TBLASTX:Maize
Start	1488	End	5584
GI	none	Score	153
Exons	1488..1580, 1489..1518, 1520..1579, 1637..1672, 1685..1714, 1956..2021, 1957..2034, 1957..2025, 2183..2266, 2184..2267, 2184..2267, 2185..2295, 2642..2761, 2646..2759, 2647..2763, 2650..2760, 2896..3087, 2896..3084, 2910..3086, 4078..4197, 4085..4195, 4087..4200, 4312..4401, 4320..4400, 4322..4402, 4498..4572, 4500..4577, 4659..4766, 4660..4764, 4944..5084,		

4953..5084, 4958..5152, 4958..5095, 5206..5445, 5213..5446,
5508..5582, 5510..5584, 5510..5584

Seq. No.	43128	Seq. ID	OJ000250_93.0307.C6
Gene No.	90348	Strand	+
Start	1391	End	6983
Name	OJ000250_93.0307.C6.o1.ts	Method	TBLASTX:Soybean
Start	1491	End	5587
GI	none	Score	149
Exons	1491..1580, 1491..1526, 1520..1579, 1956..2021, 1957..2034, 2184..2264, 2185..2268, 2641..2763, 2646..2762, 2652..2765, 2896..3087, 2911..3084, 2916..3086, 4087..4200, 4087..4194, 4316..4366, 4320..4400, 4322..4402, 4498..4572, 4500..4577, 4500..4577, 4653..4763, 4657..4749, 4658..4762, 4659..4766, 4660..4764, 4944..5084, 4956..5084, 4958..5086, 4979..5086, 5041..5097, 5206..5436, 5213..5446, 5509..5586, 5510..5587		

Seq. No.	43128	Seq. ID	OJ000250_93.0307.C6
Gene No.	90348	Strand	+
Start	1391	End	6983
Name	OJ000250_93.0307.C6.o3.np	Method	AAT/NAP
Start	1491	End	5896
GI	7489479	Score	1920
Exons	1491..1577, 1963..2025, 2185..2268, 2653..2760, 2914..3086, 4086..4197, 4320..4400, 4507..4569, 4660..4761, 4959..5083, 5212..5422, 5510..5584, 5846..5896		
GI Descrip.	GDP dissociation inhibitor protein - rice gi\|2384760\|gb\|AAB69871.1\| (AF016897) GDP dissociation inhibitor protein OsGDI2 [Oryza sativa]		

Seq. No.	43128	Seq. ID	OJ000250_93.0307.C6
Gene No.	90348	Strand	+
Start	1391	End	6983
Name	OJ000250_93.0307.C6.o2.tw	Method	TBLASTX:Wheat
Start	1957	End	3049
GI	none	Score	113
Exons	1957..2034, 1957..2025, 1971..2027, 2181..2267, 2184..2267, 2185..2295, 2645..2752, 2646..2753, 2646..2759, 2647..2763, 2650..2760, 2896..3048, 2910..3038, 2911..3048, 2963..3049		

Seq. No.	43128	Seq. ID	OJ000250_93.0307.C6
Gene No.	90348	Strand	+
Start	1391	End	6983
Name	OJ000250_93.0307.C6.o1.tw	Method	TBLASTX:Wheat
Start	4347	End	5289
GI	none	Score	101
Exons	4347..4400, 4347..4403, 4348..4407, 4498..4572, 4500..4577, 4653..4763, 4658..4762, 4659..4766, 4660..4764, 4929..5084, 4944..5084, 4958..5152, 4958..5095, 5206..5289, 5213..5287		

Seq. No.	43129	Seq. ID	OJ000250_93.0307.C7
Gene No.	90349	Strand	+
Start	906	End	2866
Name	OJ000250_93.0307.C7.o1.np	Method	AAT/NAP
Start	906	End	2866
GI	4680209	Score	531
Exons	906..1212, 1492..1643, 1676..2005, 2101..2542, 2766..2866		

GI Descrip. (AF114171) unknown [Sorghum bicolor]

Seq. No.	43129	Seq. ID	OJ000250_93.0307.C7
Gene No.	90349	Strand	+
Start	906	End	2866
Name	OJ000250_93.0307.C7.o2.np	Method	AAT/NAP
Start	971	End	2866
GI	7523705	Score	116
Exons	971..991, 2333..2536, 2628..2866		
GI Descrip.	(AC011001) Similar to maize transposon mudrA protein [Arabidopsis thaliana]		

Seq. No.	43129	Seq. ID	OJ000250_93.0307.C7
Gene No.	90349	Strand	+
Start	906	End	2866
Name	OJ000250_93.0307.C7.o1.gs	Method	GENSCAN
Start	1004	End	2820
GI	none	Score	.58
Exons	1004..1182, 2200..2539, 2628..2820		

Seq. No.	43130	Seq. ID	OJ000250_93.0307.C8
Gene No.	90350	Strand	+
Start	1	End	2267
Name	OJ000250_93.0307.C8.o1.np	Method	AAT/NAP
Start	1	End	2038
GI	4680209	Score	507
Exons	1..146, 263..405, 491..871, 1992..2038		
GI Descrip.	(AF114171) unknown [Sorghum bicolor]		

Seq. No.	43130	Seq. ID	OJ000250_93.0307.C8
Gene No.	90350	Strand	+
Start	1	End	2267
Name	OJ000250_93.0307.C8.o3.np	Method	AAT/NAP
Start	1	End	2267
GI	6721516	Score	435
Exons	1..118, 1524..1770, 2181..2267		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	43130	Seq. ID	OJ000250_93.0307.C8
Gene No.	90350	Strand	+
Start	1	End	2267
Name	OJ000250_93.0307.C8.o1.gs	Method	GENSCAN
Start	198	End	1323
GI	none	Score	.5
Exons	198..405, 491..780, 1141..1323		

Seq. No.	43130	Seq. ID	OJ000250_93.0307.C8
Gene No.	90350	Strand	+
Start	1	End	2267
Name	OJ000250_93.0307.C8.o2.np	Method	AAT/NAP
Start	991	End	2267
GI	2992160	Score	137
Exons	991..1288, 2227..2267		
GI Descrip.	(AB012392) MuDR-like element [Oryza sativa]		

Seq. No.	43130	Seq. ID	OJ000250_93.0307.C8
Gene No.	90351	Strand	-

Start	1653	End	1860
Name	OJ000250_93.0307.C8.o1.tm	Method	TBLASTX:Maize
Start	197	End	906
GI	none	Score	250
Exons	197..406, 201..416, 201..407, 490..549, 558..614, 559..615, 634..906, 730..906		

Seq. No.	43130	Seq. ID	OJ000250_93.0307.C8
Gene No.	90351	Strand	-
Start	1653	End	1860
Name	OJ000250_93.0307.C8.o2.gs	Method	GENSCAN
Start	1653	End	1860
GI	none	Score	.79
Exons	1653..1860		

Seq. No.	43131	Seq. ID	OJ000250_93.0307.C9
Gene No.	90352	Strand	+
Start	5153	End	11656
Name	OJ000250_93.0307.C9.o1.np	Method	AAT/NAP
Start	5153	End	11653
GI	7433139	Score	1707
Exons	5153..5197, 6739..6954, 7447..7684, 7864..8214, 8307..8420, 8530..8609, 9091..9392, 10209..10472, 10882..11653		
GI Descrip.	lipoxygenase (EC 1.13.11.12) LX-3 - potato gi\|1407705\|gb\|AAB67865.1\| (U60202) lipoxygenase [Solanum tuberosum]		

Seq. No.	43131	Seq. ID	OJ000250_93.0307.C9
Gene No.	90352	Strand	+
Start	5153	End	11656
Name	OJ000250_93.0307.C9.o2.gs	Method	GENSCAN
Start	6432	End	11656
GI	none	Score	.85
Exons	6432..6598, 6645..6954, 7447..7684, 7864..8235, 8307..8392, 8535..8609, 9091..9392, 10209..10472, 10882..11656		

Seq. No.	43131	Seq. ID	OJ000250_93.0307.C9
Gene No.	90353	Strand	+
Start	11824	End	13983
Name	OJ000250_93.0307.C9.o2.np	Method	AAT/NAP
Start	11824	End	13983
GI	7488323	Score	608
Exons	11824..13660, 13946..13983		
GI Descrip.	RNA-directed DNA polymerase homolog T9I4.6 - Arabidopsis thaliana gi\|3461840\|gb\|AAC33226.1\| (AC005315) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	43131	Seq. ID	OJ000250_93.0307.C9
Gene No.	90353	Strand	+
Start	11824	End	13983
Name	OJ000250_93.0307.C9.o3.gs	Method	GENSCAN
Start	12531	End	13816
GI	none	Score	.5
Exons	12531..12702, 13068..13219, 13328..13816		

Seq. No.	43131	Seq. ID	OJ000250_93.0307.C9
Gene No.	90354	Strand	-

Start	11438	End	11866
Name	OJ000250_93.0307.C9.o1.tc	Method	TBLASTX:Cress
Start	6739	End	11664
GI	none	Score	138
Exons	6739..6951, 6759..6953, 7537..7590, 7609..7710, 7860..8057, 8151..8210, 8306..8392, 9088..9255, 9114..9254, 9307..9393, 9330..9404, 10204..10407, 10215..10421, 10216..10422, 10844..11107, 10879..10995, 11107..11418, 11117..11437, 11534..11590, 11581..11664, 11609..11662		

Seq. No.	43131	Seq. ID	OJ000250_93.0307.C9
Gene No.	90354	Strand	-
Start	11438	End	11866
Name	OJ000250_93.0307.C9.o1.ts	Method	TBLASTX:Soybean
Start	6880	End	11659
GI	none	Score	80
Exons	6880..6951, 7537..7602, 7609..7698, 7905..8015, 8321..8392, 9112..9165, 9181..9255, 9280..9393, 9289..9393, 9297..9395, 10210..10455, 10221..10454, 10876..10992, 10880..11095, 11105..11446, 11131..11415, 11528..11581, 11609..11659		

Seq. No.	43131	Seq. ID	OJ000250_93.0307.C9
Gene No.	90354	Strand	-
Start	11438	End	11866
Name	OJ000250_93.0307.C9.o3.tm	Method	TBLASTX:Maize
Start	9087	End	10410
GI	none	Score	183
Exons	9087..9254, 9091..9255, 9280..9393, 10209..10409, 10210..10410		

Seq. No.	43131	Seq. ID	OJ000250_93.0307.C9
Gene No.	90354	Strand	-
Start	11438	End	11866
Name	OJ000250_93.0307.C9.o2.tw	Method	TBLASTX:Wheat
Start	9166	End	10445
GI	none	Score	110
Exons	9166..9255, 9309..9377, 9309..9404, 9310..9393, 9316..9408, 10204..10443, 10209..10304, 10209..10445, 10210..10443		

Seq. No.	43131	Seq. ID	OJ000250_93.0307.C9
Gene No.	90354	Strand	-
Start	11438	End	11866
Name	OJ000250_93.0307.C9.o1.tw	Method	TBLASTX:Wheat
Start	10892	End	11215
GI	none	Score	456
Exons	10892..11059, 10912..11214, 10913..11215, 11111..11215		

Seq. No.	43131	Seq. ID	OJ000250_93.0307.C9
Gene No.	90354	Strand	-
Start	11438	End	11866
Name	OJ000250_93.0307.C9.o1.tm	Method	TBLASTX:Maize
Start	10924	End	11709
GI	none	Score	595
Exons	10924..11295, 10925..11293, 11269..11439, 11276..11449, 11297..11467, 11528..11593, 11541..11576, 11548..11592, 11593..11709, 11594..11656		

Seq. No.	43131	Seq. ID	OJ000250_93.0307.C9

Gene No.	90354	Strand	-
Start	11438	End	11866
Name	OJ000250_93.0307.C9.o1.gp	Method	AAT/GAP
Start	11438	End	11866
GI	none	Score	850
Exons	11438..11866		

Seq. No.	43131	Seq. ID	OJ000250_93.0307.C9
Gene No.	90355	Strand	
Start	12177	End	12934
Name	OJ000250_93.0307.C9.o2.tm	Method	TBLASTX:Maize
Start	12177	End	12853
GI	none	Score	144
Exons	12177..12353, 12233..12337, 12411..12545, 12545..12853		

Seq. No.	43131	Seq. ID	OJ000250_93.0307.C9
Gene No.	90355	Strand	
Start	12177	End	12934
Name	OJ000250_93.0307.C9.o3.tw	Method	TBLASTX:Wheat
Start	12602	End	12934
GI	none	Score	115
Exons	12602..12796, 12803..12934, 12841..12933		

Seq. No.	43132	Seq. ID	OJ000250_93.0307.C10
Gene No.	90356	Strand	+
Start	2920	End	3351
Name	OJ000250_93.0307.C10.o1.np	Method	AAT/NAP
Start	2920	End	3351
GI	7340868	Score	170
Exons	2920..3351		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	43132	Seq. ID	OJ000250_93.0307.C10
Gene No.	90357	Strand	+
Start	4298	End	4373
Name	OJ000250_93.0307.C10.o1.gp	Method	AAT/GAP
Start	4298	End	4373
GI	LIB3477-003-P1-K1-E9	Score	105
Exons	4298..4373		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	43132	Seq. ID	OJ000250_93.0307.C10
Gene No.	90358	Strand	+
Start	7474	End	8176
Name	OJ000250_93.0307.C10.o2.np	Method	AAT/NAP
Start	6783	End	8176
GI	6523090	Score	132
Exons	6783..6811, 7464..7858, 8133..8176		
GI Descrip.	(AL133315) transcription factor Hap5a [Arabidopsis thaliana]		

Seq. No.	43132	Seq. ID	OJ000250_93.0307.C10
Gene No.	90358	Strand	+
Start	7474	End	8176
Name	OJ000250_93.0307.C10.o2.gs	Method	GENSCAN
Start	7474	End	8123

GI	none	Score	.53
Exons	7474..7879, 8020..8123		
Seq. No.	43132	Seq. ID	OJ000250_93.0307.C10
Gene No.	90358	Strand	+
Start	7474	End	8176
Name	OJ000250_93.0307.C10.o1.ts	Method	TBLASTX:Soybean
Start	7536	End	7857
GI	none	Score	198
Exons	7536..7577, 7540..7857, 7629..7829		
Seq. No.	43132	Seq. ID	OJ000250_93.0307.C10
Gene No.	90358	Strand	+
Start	7474	End	8176
Name	OJ000250_93.0307.C10.o1.tc	Method	TBLASTX:Cress
Start	7540	End	7857
GI	none	Score	198
Exons	7540..7857, 7629..7829		
Seq. No.	43133	Seq. ID	OJ000250_93.0307.C11
Gene No.	90359	Strand	+
Start	69	End	259
Name	OJ000250_93.0307.C11.o1.gs	Method	GENSCAN
Start	69	End	259
GI	none	Score	.55
Exons	69..259		
Seq. No.	43133	Seq. ID	OJ000250_93.0307.C11
Gene No.	90360	Strand	-
Start	2154	End	2262
Name	OJ000250_93.0307.C11.o2.gs	Method	GENSCAN
Start	2154	End	2262
GI	none	Score	.57
Exons	2154..2262		
Seq. No.	43134	Seq. ID	OJ000250_93.0307.C12
Gene No.	90361	Strand	-
Start	1775	End	9512
Name	OJ000250_93.0307.C12.o1.gs	Method	GENSCAN
Start	1775	End	4978
GI	none	Score	.95
Exons	1775..2125, 2372..3010, 3565..3711, 3898..3999, 4589..4978		
Seq. No.	43134	Seq. ID	OJ000250_93.0307.C12
Gene No.	90361	Strand	-
Start	1775	End	9512
Name	OJ000250_93.0307.C12.o1.np	Method	AAT/NAP
Start	1790	End	4047
GI	7485884	Score	1218
Exons	1790..2125, 2372..3010, 3565..3709, 3872..4047		
GI Descrip.	hypothetical protein F20M13.210 - Arabidopsis thaliana gi\|4467152\|emb\|CAB37521.1\| (AL035540) putative protein [Arabidopsis thaliana] gi\|7270848\|emb\|CAB80529.1\| (AL161593) putative protein [Arabidopsis thaliana]		
Seq. No.	43134	Seq. ID	OJ000250_93.0307.C12
Gene No.	90361	Strand	-

Start	1775	End	9512
Name	OJ000250_93.0307.C12.o1.gp	Method	AAT/GAP
Start	2915	End	3995
GI	1631472	Score	608
Exons	2915..3010, 3565..3711, 3898..3995		
GI Descrip.	3297810/emb\|CAA19868.1\| 5.0e-17 (AL031032) putative protein [Arabidopsis thaliana]		

Seq. No.	43134	Seq. ID	OJ000250_93.0307.C12
Gene No.	90361	Strand	-
Start	1775	End	9512
Name	OJ000250_93.0307.C12.o2.gp	Method	AAT/GAP
Start	4266	End	9512
GI	none	Score	802
Exons	4266..4318, 8750..8900, 9161..9195, 9303..9512		

Seq. No.	43134	Seq. ID	OJ000250_93.0307.C12
Gene No.	90361	Strand	-
Start	1775	End	9512
Name	OJ000250_93.0307.C12.o2.gs	Method	GENSCAN
Start	6283	End	9441
GI	none	Score	.9
Exons	6283..6305, 6352..6405, 8750..8900, 9161..9195, 9303..9441		

Seq. No.	43134	Seq. ID	OJ000250_93.0307.C12
Gene No.	90362	Strand	-
Start	11036	End	15970
Name	OJ000250_93.0307.C12.o3.tm	Method	TBLASTX:Maize
Start	1805	End	1971
GI	none	Score	125
Exons	1805..1933, 1830..1934, 1924..1971, 1927..1971		

Seq. No.	43134	Seq. ID	OJ000250_93.0307.C12
Gene No.	90362	Strand	-
Start	11036	End	15970
Name	OJ000250_93.0307.C12.o1.tm	Method	TBLASTX:Maize
Start	1973	End	2903
GI	none	Score	60
Exons	1973..2038, 1974..2030, 2048..2140, 2052..2129, 2372..2875, 2373..2870, 2654..2875, 2694..2903		

Seq. No.	43134	Seq. ID	OJ000250_93.0307.C12
Gene No.	90362	Strand	-
Start	11036	End	15970
Name	OJ000250_93.0307.C12.o2.tc	Method	TBLASTX:Cress
Start	2390	End	2671
GI	none	Score	62
Exons	2390..2581, 2403..2525, 2570..2671		

Seq. No.	43134	Seq. ID	OJ000250_93.0307.C12
Gene No.	90362	Strand	-
Start	11036	End	15970
Name	OJ000250_93.0307.C12.o1.ts	Method	TBLASTX:Soybean
Start	2567	End	2974
GI	none	Score	83
Exons	2567..2803, 2568..2759, 2807..2974, 2811..2969		

Seq. No.	43134	Seq. ID	OJ000250_93.0307.C12
Gene No.	90362	Strand	-
Start	11036	End	15970
Name	OJ000250_93.0307.C12.o1.tc	Method	TBLASTX:Cress
Start	2672	End	3017
GI	none	Score	91
Exons	2672..2776, 2672..3013, 2679..3017, 2955..3014		

Seq. No.	43134	Seq. ID	OJ000250_93.0307.C12
Gene No.	90362	Strand	-
Start	11036	End	15970
Name	OJ000250_93.0307.C12.o2.tm	Method	TBLASTX:Maize
Start	4164	End	8900
GI	none	Score	142
Exons	4164..4316, 4168..4317, 4174..4335, 4175..4345, 8754..8900, 8754..8900		

Seq. No.	43134	Seq. ID	OJ000250_93.0307.C12
Gene No.	90362	Strand	-
Start	11036	End	15970
Name	OJ000250_93.0307.C12.o3.gs	Method	GENSCAN
Start	11036	End	15783
GI	none	Score	.61
Exons	11036..11138, 12077..12184, 12227..12291, 12470..12514, 14901..15015, 15692..15783		

Seq. No.	43134	Seq. ID	OJ000250_93.0307.C12
Gene No.	90362	Strand	-
Start	11036	End	15970
Name	OJ000250_93.0307.C12.o2.np	Method	AAT/NAP
Start	11269	End	15970
GI	7523506	Score	88
Exons	11269..11317, 13277..13401, 15935..15970		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	43135	Seq. ID	OJ000250_93.0307.C13
Gene No.	90363	Strand	+
Start	58	End	9522
Name	OJ000250_93.0307.C13.o1.gs	Method	GENSCAN
Start	58	End	9522
GI	none	Score	.67
Exons	58..202, 1046..1128, 2028..2204, 2802..2826, 3094..3179, 3372..3448, 4216..4272, 4344..4456, 4751..4830, 5409..5495, 5681..5761, 6826..6963, 6998..7225, 8732..8816, 8928..8986, 9117..9197, 9252..9353, 9439..9522		

Seq. No.	43135	Seq. ID	OJ000250_93.0307.C13
Gene No.	90363	Strand	+
Start	58	End	9522
Name	OJ000250_93.0307.C13.o1.np	Method	AAT/NAP
Start	2551	End	9522
GI	6478939	Score	536
Exons	2551..2615, 2783..2861, 2943..3018, 3094..3179, 3372..3448, 4216..4272, 4344..4459, 5259..5338, 5409..5495, 5681..5790, 6852..6963, 7040..7225, 8917..8986, 9117..9197, 9264..9400, 9441..9522		
GI Descrip.	(AC011436) putative transcription factor [Arabidopsis thaliana]		

Seq. No.	43135	Seq. ID	OJ000250_93.0307.C13
Gene No.	90364	Strand	+
Start	9446	End	9533
Name	OJ000250_93.0307.C13.o2.tm	Method	TBLASTX:Maize
Start	5711	End	7127
GI	none	Score	65
Exons	5711..5764, 6802..6858, 6815..6856, 6858..6917, 6864..6920, 6865..6918, 6921..6959, 6921..6968, 6922..6975, 7037..7126, 7038..7127		

Seq. No.	43135	Seq. ID	OJ000250_93.0307.C13
Gene No.	90364	Strand	+
Start	9446	End	9533
Name	OJ000250_93.0307.C13.o1.tm	Method	TBLASTX:Maize
Start	8953	End	9523
GI	none	Score	60
Exons	8953..8991, 8954..9004, 9103..9186, 9114..9200, 9116..9211, 9117..9197, 9277..9348, 9437..9523		

Seq. No.	43135	Seq. ID	OJ000250_93.0307.C13
Gene No.	90364	Strand	+
Start	9446	End	9533
Name	OJ000250_93.0307.C13.o1.gp	Method	AAT/GAP
Start	9446	End	9533
GI	2280847	Score	135
Exons	9446..9533		

Seq. No.	43136	Seq. ID	OJ000250_93.0307.C14
Gene No.	90365	Strand	+
Start	155	End	606
Name	OJ000250_93.0307.C14.o1.gp	Method	AAT/GAP
Start	155	End	400
GI	2280847	Score	401
Exons	155..400		

Seq. No.	43136	Seq. ID	OJ000250_93.0307.C14
Gene No.	90365	Strand	+
Start	155	End	606
Name	OJ000250_93.0307.C14.o1.gs	Method	GENSCAN
Start	155	End	322
GI	none	Score	.99
Exons	155..322		

Seq. No.	43136	Seq. ID	OJ000250_93.0307.C14
Gene No.	90365	Strand	+
Start	155	End	606
Name	OJ000250_93.0307.C14.o2.gp	Method	AAT/GAP
Start	232	End	606
GI	4969076	Score	626
Exons	232..606		

Seq. No.	43136	Seq. ID	OJ000250_93.0307.C14
Gene No.	90366	Strand	-
Start	1	End	1041
Name	OJ000250_93.0307.C14.o1.np	Method	AAT/NAP
Start	1	End	1041

GI	6721512	Score	49
Exons	1..51, 926..1041		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	43136	Seq. ID	OJ000250_93.0307.C14
Gene No.	90367	Strand	-
Start	1160	End	1618
Name	OJ000250_93.0307.C14.o2.gs	Method	GENSCAN
Start	1160	End	1618
GI	none	Score	.4
Exons	1160..1193, 1483..1618		

Seq. No.	43137	Seq. ID	OJ000250_93.0307.C15
Gene No.	90368	Strand	+
Start	445	End	1619
Name	OJ000250_93.0307.C15.o1.gs	Method	GENSCAN
Start	445	End	1619
GI	none	Score	.76
Exons	445..1350, 1521..1619		

Seq. No.	43137	Seq. ID	OJ000250_93.0307.C15
Gene No.	90368	Strand	+
Start	445	End	1619
Name	OJ000250_93.0307.C15.o1.np	Method	AAT/NAP
Start	445	End	1604
GI	6671951	Score	706
Exons	445..1355, 1532..1604		
GI Descrip.	(AC016795) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43137	Seq. ID	OJ000250_93.0307.C15
Gene No.	90368	Strand	+
Start	445	End	1619
Name	OJ000250_93.0307.C15.o1.tm	Method	TBLASTX:Maize
Start	447	End	951
GI	none	Score	291
Exons	447..659, 457..666, 667..714, 714..950, 724..951, 724..945, 750..947		

Seq. No.	43137	Seq. ID	OJ000250_93.0307.C15
Gene No.	90368	Strand	+
Start	445	End	1619
Name	OJ000250_93.0307.C15.o1.ts	Method	TBLASTX:Soybean
Start	471	End	657
GI	none	Score	190
Exons	471..656, 472..657		

Seq. No.	43137	Seq. ID	OJ000250_93.0307.C15
Gene No.	90368	Strand	+
Start	445	End	1619
Name	OJ000250_93.0307.C15.o1.tw	Method	TBLASTX:Wheat
Start	574	End	1037
GI	none	Score	83
Exons	574..1023, 578..676, 582..1034, 583..1035, 737..1027, 753..1037		

Seq. No.	43137	Seq. ID	OJ000250_93.0307.C15
Gene No.	90368	Strand	+
Start	445	End	1619

Name	OJ000250_93.0307.C15.o2.tm	Method	TBLASTX:Maize
Start	958	End	1572
GI	none	Score	495
Exons	958..1257, 996..1304, 1531..1572		

Seq. No.	43138	Seq. ID	OJ000250_93.0307.C16
Gene No.	90369	Strand	-
Start	1	End	2127
Name	OJ000250_93.0307.C16.o1.np	Method	AAT/NAP
Start	1	End	2127
GI	7523517	Score	238
Exons	1..40, 1621..1659, 1807..2127		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	43138	Seq. ID	OJ000250_93.0307.C16
Gene No.	90370	Strand	-
Start	8360	End	11942
Name	OJ000250_93.0307.C16.o2.ts	Method	TBLASTX:Soybean
Start	8343	End	8578
GI	none	Score	99
Exons	8343..8507, 8360..8578, 8394..8567		

Seq. No.	43138	Seq. ID	OJ000250_93.0307.C16
Gene No.	90370	Strand	-
Start	8360	End	11942
Name	OJ000250_93.0307.C16.o1.tc	Method	TBLASTX:Cress
Start	8360	End	8876
GI	none	Score	88
Exons	8360..8875, 8391..8723, 8754..8876		

Seq. No.	43138	Seq. ID	OJ000250_93.0307.C16
Gene No.	90370	Strand	-
Start	8360	End	11942
Name	OJ000250_93.0307.C16.o2.gs	Method	GENSCAN
Start	8360	End	10438
GI	none	Score	.52
Exons	8360..10438		

Seq. No.	43138	Seq. ID	OJ000250_93.0307.C16
Gene No.	90370	Strand	-
Start	8360	End	11942
Name	OJ000250_93.0307.C16.o2.np	Method	AAT/NAP
Start	8363	End	11942
GI	6706414	Score	1213
Exons	8363..9706, 9737..9850, 9953..10766, 11890..11942		
GI Descrip.	(AL133248) putative protein [Arabidopsis thaliana]		

Seq. No.	43138	Seq. ID	OJ000250_93.0307.C16
Gene No.	90370	Strand	-
Start	8360	End	11942
Name	OJ000250_93.0307.C16.o2.tm	Method	TBLASTX:Maize
Start	8405	End	8953
GI	none	Score	90
Exons	8405..8953, 8406..8717		

Seq. No.	43138	Seq. ID	OJ000250_93.0307.C16
Gene No.	90370	Strand	-

Start	8360	End	11942
Name	OJ000250_93.0307.C16.o1.ts	Method	TBLASTX:Soybean
Start	8588	End	9121
GI	none	Score	417
Exons	8588..9121		

Seq. No.	43138	Seq. ID	OJ000250_93.0307.C16
Gene No.	90370	Strand	-
Start	8360	End	11942
Name	OJ000250_93.0307.C16.o2.tc	Method	TBLASTX:Cress
Start	8942	End	10078
GI	none	Score	120
Exons	8942..9325, 8963..9313, 9413..9505, 9518..9613, 9773..9979, 9857..10078		

Seq. No.	43138	Seq. ID	OJ000250_93.0307.C16
Gene No.	90370	Strand	-
Start	8360	End	11942
Name	OJ000250_93.0307.C16.o1.tw	Method	TBLASTX:Wheat
Start	9059	End	10762
GI	none	Score	110
Exons	9059..9370, 9075..9341, 9119..9235, 9401..9499, 9426..9500, 9487..9519, 9611..9682, 9737..9880, 9771..9839, 9797..9931, 9857..10285, 10376..10618, 10538..10762		

Seq. No.	43138	Seq. ID	OJ000250_93.0307.C16
Gene No.	90370	Strand	-
Start	8360	End	11942
Name	OJ000250_93.0307.C16.o1.tm	Method	TBLASTX:Maize
Start	9098	End	10462
GI	none	Score	440
Exons	9098..9478, 9099..9476, 9106..9477, 9614..9691, 9755..9823, 9770..9934, 9866..10132, 9999..10133, 10151..10222, 10286..10462		

Seq. No.	43138	Seq. ID	OJ000250_93.0307.C16
Gene No.	90370	Strand	-
Start	8360	End	11942
Name	OJ000250_93.0307.C16.o3.ts	Method	TBLASTX:Soybean
Start	9143	End	10573
GI	none	Score	101
Exons	9143..9373, 9401..9502, 9560..9607, 9617..9712, 9896..10222, 10370..10573		

Seq. No.	43139	Seq. ID	OJ000250_93.0307.C17
Gene No.	90371	Strand	+
Start	1	End	1405
Name	OJ000250_93.0307.C17.o2.np	Method	AAT/NAP
Start	1	End	1405
GI	7487690	Score	95
Exons	1..32, 1181..1405		
GI Descrip.	hypothetical protein T5H22.5 - Arabidopsis thaliana gi\|3695395\|gb\|AAC62796.1\| (AF096372) contains similarity to reverse transcriptase (Pfam: PF00078 rvt, E=4.3e-08) [Arabidopsis thaliana] gi\|7267135\|emb\|CAB80803.1\| (AL161498) similarity to [Arabidopsis thaliana]		

Seq. No.	43139	Seq. ID	OJ000250_93.0307.C17

Gene No.	90371	Strand	+
Start	1	End	1405
Name	OJ000250_93.0307.C17.o1.gs	Method	GENSCAN
Start	377	End	1270
GI	none	Score	.43
Exons	377..611, 804..921, 974..1270		

Seq. No.	43140	Seq. ID	OJ000250_93.0307.C18
Gene No.	90372	Strand	+
Start	1	End	3262
Name	OJ000250_93.0307.C18.o1.np	Method	AAT/NAP
Start	1	End	3262
GI	7489805	Score	2343
Exons	1..3262		
GI Descrip.	polyprotein - maize retrotransposon Cinful-1 gi\|4206306\|gb\|AAD11615.1\| (AF049110) prpol [Zea mays]		

Seq. No.	43140	Seq. ID	OJ000250_93.0307.C18
Gene No.	90373	Strand	-
Start	3494	End	6391
Name	OJ000250_93.0307.C18.o5.tw	Method	TBLASTX:Wheat
Start	6	End	228
GI	none	Score	183
Exons	6..227, 7..228		

Seq. No.	43140	Seq. ID	OJ000250_93.0307.C18
Gene No.	90373	Strand	-
Start	3494	End	6391
Name	OJ000250_93.0307.C18.o2.tw	Method	TBLASTX:Wheat
Start	457	End	3145
GI	none	Score	69
Exons	457..549, 552..785, 554..784, 603..785, 652..786, 2937..3077, 3053..3145		

Seq. No.	43140	Seq. ID	OJ000250_93.0307.C18
Gene No.	90373	Strand	-
Start	3494	End	6391
Name	OJ000250_93.0307.C18.o1.tm	Method	TBLASTX:Maize
Start	560	End	917
GI	none	Score	425
Exons	560..916, 561..917		

Seq. No.	43140	Seq. ID	OJ000250_93.0307.C18
Gene No.	90373	Strand	-
Start	3494	End	6391
Name	OJ000250_93.0307.C18.o1.tw	Method	TBLASTX:Wheat
Start	786	End	1205
GI	none	Score	443
Exons	786..1205, 786..1058, 989..1204		

Seq. No.	43140	Seq. ID	OJ000250_93.0307.C18
Gene No.	90373	Strand	-
Start	3494	End	6391
Name	OJ000250_93.0307.C18.o2.tm	Method	TBLASTX:Maize
Start	945	End	1328
GI	none	Score	376
Exons	945..1328, 1058..1315		

Seq. No.	43140	Seq. ID	OJ000250_93.0307.C18
Gene No.	90373	Strand	-
Start	3494	End	6391
Name	OJ000250_93.0307.C18.o1.ts	Method	TBLASTX:Soybean
Start	1080	End	1406
GI	none	Score	260
Exons	1080..1406, 1097..1240, 1355..1405		

Seq. No.	43140	Seq. ID	OJ000250_93.0307.C18
Gene No.	90373	Strand	-
Start	3494	End	6391
Name	OJ000250_93.0307.C18.o3.tw	Method	TBLASTX:Wheat
Start	1388	End	1841
GI	none	Score	265
Exons	1388..1834, 1422..1841		

Seq. No.	43140	Seq. ID	OJ000250_93.0307.C18
Gene No.	90373	Strand	-
Start	3494	End	6391
Name	OJ000250_93.0307.C18.o4.tm	Method	TBLASTX:Maize
Start	2039	End	2308
GI	none	Score	231
Exons	2039..2308, 2149..2307		

Seq. No.	43140	Seq. ID	OJ000250_93.0307.C18
Gene No.	90373	Strand	-
Start	3494	End	6391
Name	OJ000250_93.0307.C18.o4.tw	Method	TBLASTX:Wheat
Start	2150	End	2539
GI	none	Score	239
Exons	2150..2539		

Seq. No.	43140	Seq. ID	OJ000250_93.0307.C18
Gene No.	90373	Strand	-
Start	3494	End	6391
Name	OJ000250_93.0307.C18.o3.tm	Method	TBLASTX:Maize
Start	2309	End	2671
GI	none	Score	360
Exons	2309..2671, 2343..2609, 2407..2670, 2549..2671		

Seq. No.	43140	Seq. ID	OJ000250_93.0307.C18
Gene No.	90373	Strand	-
Start	3494	End	6391
Name	OJ000250_93.0307.C18.o2.ts	Method	TBLASTX:Soybean
Start	2312	End	2686
GI	none	Score	98
Exons	2312..2455, 2338..2457, 2461..2670, 2462..2686		

Seq. No.	43140	Seq. ID	OJ000250_93.0307.C18
Gene No.	90373	Strand	-
Start	3494	End	6391
Name	OJ000250_93.0307.C18.o6.tw	Method	TBLASTX:Wheat
Start	2657	End	3253
GI	none	Score	98
Exons	2657..2776, 2804..2935, 3146..3253		

Seq. No.	43140	Seq. ID	OJ000250_93.0307.C18
Gene No.	90373	Strand	-
Start	3494	End	6391
Name	OJ000250_93.0307.C18.o5.tm	Method	TBLASTX:Maize
Start	2702	End	2943
GI	none	Score	200
Exons	2702..2938, 2707..2805, 2884..2943		

Seq. No.	43140	Seq. ID	OJ000250_93.0307.C18
Gene No.	90373	Strand	-
Start	3494	End	6391
Name	OJ000250_93.0307.C18.o2.gs	Method	GENSCAN
Start	3494	End	6391
GI	none	Score	.51
Exons	3494..3645, 3934..3992, 4612..4751, 4800..4905, 5238..5437, 5538..5758, 5864..6391		

Seq. No.	43141	Seq. ID	OJ000250_93.0307.C19
Gene No.	90374	Strand	+
Start	3643	End	3947
Name	OJ000250_93.0307.C19.o1.gp	Method	AAT/GAP
Start	3643	End	3947
GI	61605_3.R1084	Score	432
Exons	3643..3947		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	43141	Seq. ID	OJ000250_93.0307.C19
Gene No.	90375	Strand	+
Start	4405	End	4920
Name	OJ000250_93.0307.C19.o2.gp	Method	AAT/GAP
Start	4405	End	4920
GI	uC-osf1M202048c12b1	Score	714
Exons	4405..4920		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	43141	Seq. ID	OJ000250_93.0307.C19
Gene No.	90376	Strand	+
Start	4928	End	5662
Name	OJ000250_93.0307.C19.o3.gp	Method	AAT/GAP
Start	4928	End	5662
GI	101153_1.R1084	Score	378
Exons	4928..5156, 5611..5662		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	43141	Seq. ID	OJ000250_93.0307.C19
Gene No.	90377	Strand	+
Start	8473	End	10434
Name	OJ000250_93.0307.C19.o2.gs	Method	GENSCAN
Start	8473	End	9479
GI	none	Score	.4
Exons	8473..8557, 9124..9479		

Seq. No.	43141	Seq. ID	OJ000250_93.0307.C19
Gene No.	90377	Strand	+

Start	8473	End	10434
Name	OJ000250_93.0307.C19.o2.np	Method	AAT/NAP
Start	8473	End	10434
GI	6721547	Score	100
Exons	8473..8557, 9187..9257, 10293..10434		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	43141	Seq. ID	OJ000250_93.0307.C19
Gene No.	90377	Strand	+
Start	8473	End	10434
Name	OJ000250_93.0307.C19.o3.gs	Method	GENSCAN
Start	9801	End	10142
GI	none	Score	.82
Exons	9801..10142		

Seq. No.	43141	Seq. ID	OJ000250_93.0307.C19
Gene No.	90378	Strand	-
Start	4315	End	9994
Name	OJ000250_93.0307.C19.o1.np	Method	AAT/NAP
Start	4315	End	9994
GI	6063554	Score	335
Exons	4315..4489, 5128..5155, 5807..6027, 9971..9994		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43142	Seq. ID	OJ000250_93.0307.C20
Gene No.	90379	Strand	+
Start	1	End	2211
Name	OJ000250_93.0307.C20.o1.np	Method	AAT/NAP
Start	1	End	2069
GI	6598711	Score	281
Exons	1..60, 220..576, 643..814, 1403..1522, 1805..2069		
GI Descrip.	(AC007197) putative disease resistance protein [Arabidopsis thaliana]		

Seq. No.	43142	Seq. ID	OJ000250_93.0307.C20
Gene No.	90379	Strand	+
Start	1	End	2211
Name	OJ000250_93.0307.C20.o1.gs	Method	GENSCAN
Start	64	End	2211
GI	none	Score	.95
Exons	64..2211		

Seq. No.	43142	Seq. ID	OJ000250_93.0307.C20
Gene No.	90380	Strand	+
Start	3302	End	4238
Name	OJ000250_93.0307.C20.o2.gs	Method	GENSCAN
Start	3302	End	4238
GI	none	Score	.97
Exons	3302..3383, 4054..4238		

Seq. No.	43142	Seq. ID	OJ000250_93.0307.C20
Gene No.	90381	Strand	+
Start	10271	End	11598
Name	OJ000250_93.0307.C20.o4.gs	Method	GENSCAN
Start	10271	End	11598

GI	none	Score	.81
Exons	10271..10541, 11561..11598		

Seq. No.	43142	Seq. ID	OJ000250_93.0307.C20
Gene No.	90382	Strand	-
Start	4025	End	9125
Name	OJ000250_93.0307.C20.o1.tm	Method	TBLASTX:Maize
Start	186	End	2136
GI	none	Score	285
Exons	186..389, 187..459, 190..423, 295..519, 352..516, 1714..1899, 1786..1905, 1894..2127, 1903..2085, 1915..2019, 1996..2136		

Seq. No.	43142	Seq. ID	OJ000250_93.0307.C20
Gene No.	90382	Strand	-
Start	4025	End	9125
Name	OJ000250_93.0307.C20.o1.gp	Method	AAT/GAP
Start	4025	End	4448
GI	LIB3477-006-P1-K1-D4	Score	825
Exons	4025..4448		
GI Descrip.	'3297810/emb\|CAA19868.1\| 5.0e-17 (AL031032) putative protein [Arabidopsis thaliana]'		

Seq. No.	43142	Seq. ID	OJ000250_93.0307.C20
Gene No.	90382	Strand	-
Start	4025	End	9125
Name	OJ000250_93.0307.C20.o2.np	Method	AAT/NAP
Start	4281	End	8996
GI	6466939	Score	418
Exons	4281..4389, 4804..4865, 5408..5490, 5957..6071, 6388..6447, 7535..7634, 8941..8996		
GI Descrip.	(AC009176) unknown protein, 5' partial [Arabidopsis thaliana]		

Seq. No.	43142	Seq. ID	OJ000250_93.0307.C20
Gene No.	90382	Strand	-
Start	4025	End	9125
Name	OJ000250_93.0307.C20.o3.gs	Method	GENSCAN
Start	5354	End	9125
GI	none	Score	.95
Exons	5354..5371, 5408..5490, 5957..6071, 6388..6447, 7535..7634, 8941..9125		

Seq. No.	43143	Seq. ID	OJ000250_93.0307.C22
Gene No.	90383	Strand	-
Start	1	End	1057
Name	OJ000250_93.0307.C22.o1.np	Method	AAT/NAP
Start	1	End	1057
GI	2498930	Score	672
Exons	1..369, 537..597, 1037..1057		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	43143	Seq. ID	OJ000250_93.0307.C22
Gene No.	90383	Strand	-
Start	1	End	1057
Name	OJ000250_93.0307.C22.o1.gs	Method	GENSCAN
Start	67	End	596
GI	none	Score	.7

Exons	67..369, 537..596		
Seq. No.	43144	Seq. ID	OJ000250_98.0322.C3
Gene No.	90384	Strand	-
Start	374	End	2351
Name	OJ000250_98.0322.C3.o1.np	Method	AAT/NAP
Start	374	End	2351
GI	6623973	Score	1518
Exons	374..2351		
GI Descrip.	(AC007505) Highly similar to Ta1-3 polyprotein [Arabidopsis thaliana]		
Seq. No.	43144	Seq. ID	OJ000250_98.0322.C3
Gene No.	90384	Strand	-
Start	374	End	2351
Name	OJ000250_98.0322.C3.o1.tm	Method	TBLASTX:Maize
Start	386	End	787
GI	none	Score	283
Exons	386..445, 417..776, 431..787		
Seq. No.	43144	Seq. ID	OJ000250_98.0322.C3
Gene No.	90384	Strand	-
Start	374	End	2351
Name	OJ000250_98.0322.C3.o3.tw	Method	TBLASTX:Wheat
Start	435	End	811
GI	none	Score	65
Exons	435..590, 449..589, 608..811, 633..770		
Seq. No.	43144	Seq. ID	OJ000250_98.0322.C3
Gene No.	90384	Strand	-
Start	374	End	2351
Name	OJ000250_98.0322.C3.o1.tc	Method	TBLASTX:Cress
Start	449	End	964
GI	none	Score	53
Exons	449..574, 590..727, 737..841, 836..964		
Seq. No.	43144	Seq. ID	OJ000250_98.0322.C3
Gene No.	90384	Strand	-
Start	374	End	2351
Name	OJ000250_98.0322.C3.o1.gs	Method	GENSCAN
Start	461	End	2205
GI	none	Score	.55
Exons	461..838, 1100..1631, 1744..1822, 1920..2205		
Seq. No.	43144	Seq. ID	OJ000250_98.0322.C3
Gene No.	90384	Strand	-
Start	374	End	2351
Name	OJ000250_98.0322.C3.o2.ts	Method	TBLASTX:Soybean
Start	480	End	763
GI	none	Score	166
Exons	480..761, 488..763		
Seq. No.	43144	Seq. ID	OJ000250_98.0322.C3
Gene No.	90384	Strand	-
Start	374	End	2351
Name	OJ000250_98.0322.C3.o2.tm	Method	TBLASTX:Maize
Start	843	End	1289

GI	none	Score	182
Exons	843..1154, 848..1153, 1130..1288, 1197..1289		
Seq. No.	43144	Seq. ID	OJ000250_98.0322.C3
Gene No.	90384	Strand	-
Start	374	End	2351
Name	OJ000250_98.0322.C3.o2.tw	Method	TBLASTX:Wheat
Start	938	End	1562
GI	none	Score	42
Exons	938..1372, 957..1121, 1088..1243, 1182..1316, 1409..1561, 1413..1562		
Seq. No.	43144	Seq. ID	OJ000250_98.0322.C3
Gene No.	90384	Strand	-
Start	374	End	2351
Name	OJ000250_98.0322.C3.o3.tm	Method	TBLASTX:Maize
Start	1301	End	1723
GI	none	Score	135
Exons	1301..1720, 1425..1685, 1622..1723		
Seq. No.	43144	Seq. ID	OJ000250_98.0322.C3
Gene No.	90384	Strand	-
Start	374	End	2351
Name	OJ000250_98.0322.C3.o1.ts	Method	TBLASTX:Soybean
Start	1307	End	1696
GI	none	Score	85
Exons	1307..1696, 1345..1602, 1353..1676		
Seq. No.	43144	Seq. ID	OJ000250_98.0322.C3
Gene No.	90384	Strand	-
Start	374	End	2351
Name	OJ000250_98.0322.C3.o1.gp	Method	AAT/GAP
Start	1319	End	1561
GI	1621494	Score	438
Exons	1319..1561		
GI Descrip.	1621495/dbj\|BAA12903\| 4.0e-35 (D85877) reverse transcriptase [Oryza sativa]		
Seq. No.	43144	Seq. ID	OJ000250_98.0322.C3
Gene No.	90384	Strand	-
Start	374	End	2351
Name	OJ000250_98.0322.C3.o2.tc	Method	TBLASTX:Cress
Start	1514	End	1720
GI	none	Score	74
Exons	1514..1720, 1514..1720		
Seq. No.	43144	Seq. ID	OJ000250_98.0322.C3
Gene No.	90384	Strand	-
Start	374	End	2351
Name	OJ000250_98.0322.C3.o1.tw	Method	TBLASTX:Wheat
Start	1562	End	1997
GI	none	Score	245
Exons	1562..1789, 1562..1825, 1585..1830, 1806..1877, 1807..1995, 1822..1995, 1824..1997		
Seq. No.	43145	Seq. ID	OJ000250_98.0322.C11
Gene No.	90385	Strand	+

Start	1	End	2320
Name	OJ000250_98.0322.C11.o1.np	Method	AAT/NAP
Start	1	End	763
GI	6721561	Score	729
Exons	1..763		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43145	Seq. ID	OJ000250_98.0322.C11
Gene No.	90385	Strand	+
Start	1	End	2320
Name	OJ000250_98.0322.C11.o1.gs	Method	GENSCAN
Start	134	End	2320
GI	none	Score	.5
Exons	134..701, 1293..1388, 1689..1723, 2195..2320		

Seq. No.	43145	Seq. ID	OJ000250_98.0322.C11
Gene No.	90385	Strand	+
Start	1	End	2320
Name	OJ000250_98.0322.C11.o2.gp	Method	AAT/GAP
Start	2063	End	2292
GI	101153_1.R1084	Score	396
Exons	2063..2292		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	43145	Seq. ID	OJ000250_98.0322.C11
Gene No.	90386	Strand	-
Start	810	End	1082
Name	OJ000250_98.0322.C11.o1.gp	Method	AAT/GAP
Start	810	End	1082
GI	61605_1.R1084	Score	475
Exons	810..1082		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	43145	Seq. ID	OJ000250_98.0322.C11
Gene No.	90387	Strand	-
Start	1454	End	5681
Name	OJ000250_98.0322.C11.o2.np	Method	AAT/NAP
Start	1454	End	3884
GI	6063554	Score	400
Exons	1454..1627, 2263..2292, 3280..3558, 3669..3884		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	43145	Seq. ID	OJ000250_98.0322.C11
Gene No.	90387	Strand	-
Start	1454	End	5681
Name	OJ000250_98.0322.C11.o2.gs	Method	GENSCAN
Start	2999	End	5681
GI	none	Score	.41
Exons	2999..3107, 3159..3283, 3289..3509, 4676..5681		

Seq. No.	43145	Seq. ID	OJ000250_98.0322.C11
Gene No.	90387	Strand	-
Start	1454	End	5681
Name	OJ000250_98.0322.C11.o3.np	Method	AAT/NAP
Start	4638	End	5681
GI	6983860	Score	1023
Exons	4638..5681		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	43145	Seq. ID	OJ000250_98.0322.C11
Gene No.	90387	Strand	-
Start	1454	End	5681
Name	OJ000250_98.0322.C11.o1.tm	Method	TBLASTX:Maize
Start	5019	End	5282
GI	none	Score	106
Exons	5019..5282, 5095..5259		

Seq. No.	43145	Seq. ID	OJ000250_98.0322.C11
Gene No.	90387	Strand	-
Start	1454	End	5681
Name	OJ000250_98.0322.C11.o1.tw	Method	TBLASTX:Wheat
Start	5163	End	5519
GI	none	Score	81
Exons	5163..5519, 5164..5304, 5341..5511		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90388	Strand	+
Start	455	End	1219
Name	OJ000250_98.0322.C12.o1.gs	Method	GENSCAN
Start	455	End	1219
GI	none	Score	.76
Exons	455..545, 746..1219		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90389	Strand	+
Start	14365	End	17650
Name	OJ000250_98.0322.C12.o2.gp	Method	AAT/GAP
Start	14365	End	17650
GI	22292_1.R1084	Score	1534
Exons	14365..14470, 16922..17650		
GI Descrip.	'4455366/emb\|CAB36776.1\| 2.0e-14 (AL035524) putative protein [Arabidopsis thaliana]'		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90390	Strand	+
Start	19319	End	24419
Name	OJ000250_98.0322.C12.o8.gs	Method	GENSCAN
Start	19319	End	24419
GI	none	Score	.71
Exons	19319..19413, 19418..19455, 19704..19784, 19846..20111, 20419..20643, 20937..21444, 21558..21655, 22195..22395, 22787..22915, 23665..23800, 24268..24419		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90390	Strand	+

Start	19319	End	24419
Name	OJ000250_98.0322.C12.o4.np	Method	AAT/NAP
Start	21090	End	24001
GI	6587814	Score	984
Exons	21090..21444, 22178..22395, 22787..22915, 23665..23796, 23891..24001		
GI Descrip.	(AC010924) ESTs gb\|AI992412, gb\|AI994629 come from this gene. [Arabidopsis thaliana]		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90391	Strand	+
Start	29473	End	32836
Name	OJ000250_98.0322.C12.o7.np	Method	AAT/NAP
Start	29473	End	32836
GI	7248394	Score	268
Exons	29473..30090, 32762..32836		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90392	Strand	+
Start	33191	End	47707
Name	OJ000250_98.0322.C12.o8.np	Method	AAT/NAP
Start	33191	End	35007
GI	1076205	Score	118
Exons	33191..33233, 34610..35007		
GI Descrip.	hypothetical protein WP6 - Chlamydomonas eugametos gi\|530878 (L29028) amino acid feature: N-glycosylation sites, aa 41 .. 43, 46 .. 48, 51 .. 53, 72 .. 74, 107 .. 109, 128 .. 130, 132 .. 134, 158 .. 160, 163 .. 165; amino acid feature: Rod protein domain, aa 169 .. 340; amino acid feature: globular pro...		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90392	Strand	+
Start	33191	End	47707
Name	OJ000250_98.0322.C12.o11.gs	Method	GENSCAN
Start	34670	End	47707
GI	none	Score	.67
Exons	34670..35048, 35057..35279, 36551..36620, 38295..38529, 38612..38685, 38767..38815, 42859..43032, 44150..44176, 44445..44646, 44724..44770, 44852..44883, 44964..45031, 45099..45490, 45696..45894, 46379..46521, 46607..46701, 46905..47250, 47377..47435, 47609..47707		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90392	Strand	+
Start	33191	End	47707
Name	OJ000250_98.0322.C12.o9.np	Method	AAT/NAP
Start	36849	End	36971
GI	6815099	Score	83
Exons	36849..36971		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12

Gene No.	90392	Strand	+
Start	33191	End	47707
Name	OJ000250_98.0322.C12.o10.np	Method	AAT/NAP
Start	40260	End	44494
GI	3157926	Score	51
Exons	40260..40282, 42597..42855, 42929..43054, 43531..43605, 44471..44494		
GI Descrip.	(AC002131) Strong similarity to extensin-like protein gb\|Z34465 from Zea mays. [Arabidopsis thaliana]		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90392	Strand	+
Start	33191	End	47707
Name	OJ000250_98.0322.C12.o11.np	Method	AAT/NAP
Start	42912	End	45219
GI	4768978	Score	338
Exons	42912..43032, 44385..44636, 45093..45219		
GI Descrip.	(AF140489) kiaa0078 protein [Oryza sativa]		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90393	Strand	+
Start	54437	End	56155
Name	OJ000250_98.0322.C12.o13.np	Method	AAT/NAP
Start	54437	End	56155
GI	3157926	Score	49
Exons	54437..54615, 54768..54825, 56099..56155		
GI Descrip.	(AC002131) Strong similarity to extensin-like protein gb\|Z34465 from Zea mays. [Arabidopsis thaliana]		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90394	Strand	-
Start	1	End	301
Name	OJ000250_98.0322.C12.o1.gp	Method	AAT/GAP
Start	1	End	301
GI	2428185	Score	566
Exons	1..301		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90395	Strand	-
Start	1835	End	6307
Name	OJ000250_98.0322.C12.o1.np	Method	AAT/NAP
Start	1835	End	6307
GI	5902445	Score	2862
Exons	1835..3177, 4575..6307		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90395	Strand	-
Start	1835	End	6307
Name	OJ000250_98.0322.C12.o3.gs	Method	GENSCAN
Start	4425	End	6118
GI	none	Score	.56
Exons	4425..5297, 5324..6118		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12

Gene No.	90396	Strand	-
Start	6374	End	12610
Name	OJ000250_98.0322.C12.o2.np	Method	AAT/NAP
Start	6374	End	12610
GI	5902444	Score	957
Exons	6374..6718, 7733..9436, 12578..12610		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90396	Strand	-
Start	6374	End	12610
Name	OJ000250_98.0322.C12.o5.gs	Method	GENSCAN
Start	9616	End	10605
GI	none	Score	.94
Exons	9616..10605		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90396	Strand	-
Start	6374	End	12610
Name	OJ000250_98.0322.C12.o3.np	Method	AAT/NAP
Start	10535	End	11045
GI	7523517	Score	191
Exons	10535..10573, 10724..11045		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90397	Strand	-
Start	17643	End	18868
Name	OJ000250_98.0322.C12.o7.gs	Method	GENSCAN
Start	17643	End	18868
GI	none	Score	.82
Exons	17643..17812, 18757..18868		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90398	Strand	-
Start	24938	End	27244
Name	OJ000250_98.0322.C12.o3.tw	Method	TBLASTX:Wheat
Start	1857	End	2452
GI	none	Score	63
Exons	1857..1970, 1889..1972, 2000..2452, 2196..2303		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90398	Strand	-
Start	24938	End	27244
Name	OJ000250_98.0322.C12.o4.tw	Method	TBLASTX:Wheat
Start	2474	End	2824
GI	none	Score	152
Exons	2474..2824, 2484..2714, 2585..2824		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90398	Strand	-
Start	24938	End	27244
Name	OJ000250_98.0322.C12.o6.tm	Method	TBLASTX:Maize
Start	2612	End	3075
GI	none	Score	62
Exons	2612..2830, 2613..2726, 2801..2866, 2808..3026, 2812..2955, 2983..3075		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90398	Strand	-
Start	24938	End	27244
Name	OJ000250_98.0322.C12.o6.tw	Method	TBLASTX:Wheat
Start	4827	End	5270
GI	none	Score	94
Exons	4827..5000, 5008..5214, 5010..5270		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90398	Strand	-
Start	24938	End	27244
Name	OJ000250_98.0322.C12.o3.ts	Method	TBLASTX:Soybean
Start	5312	End	5737
GI	none	Score	74
Exons	5312..5737, 5589..5678		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90398	Strand	-
Start	24938	End	27244
Name	OJ000250_98.0322.C12.o2.tw	Method	TBLASTX:Wheat
Start	5367	End	5791
GI	none	Score	235
Exons	5367..5681, 5369..5791, 5399..5788		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90398	Strand	-
Start	24938	End	27244
Name	OJ000250_98.0322.C12.o4.tm	Method	TBLASTX:Maize
Start	5465	End	5848
GI	none	Score	114
Exons	5465..5848, 5466..5681		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90398	Strand	-
Start	24938	End	27244
Name	OJ000250_98.0322.C12.o1.tm	Method	TBLASTX:Maize
Start	5876	End	6232
GI	none	Score	212
Exons	5876..6232, 5877..6191		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90398	Strand	-
Start	24938	End	27244
Name	OJ000250_98.0322.C12.o1.tw	Method	TBLASTX:Wheat
Start	5906	End	6361
GI	none	Score	375
Exons	5906..6361, 5907..6353, 5921..6361		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90398	Strand	-
Start	24938	End	27244
Name	OJ000250_98.0322.C12.o9.tw	Method	TBLASTX:Wheat
Start	6599	End	7972
GI	none	Score	63
Exons	6599..6718, 7733..7972, 7863..7970		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90398	Strand	-
Start	24938	End	27244
Name	OJ000250_98.0322.C12.o8.tw	Method	TBLASTX:Wheat
Start	8605	End	9003
GI	none	Score	259
Exons	8605..9003		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90398	Strand	-
Start	24938	End	27244
Name	OJ000250_98.0322.C12.o11.tm	Method	TBLASTX:Maize
Start	8767	End	9006
GI	none	Score	195
Exons	8767..9006		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90398	Strand	-
Start	24938	End	27244
Name	OJ000250_98.0322.C12.o7.tm	Method	TBLASTX:Maize
Start	16920	End	17180
GI	none	Score	136
Exons	16920..17042, 16921..17052, 16921..17040, 17038..17169, 17041..17160, 17048..17179, 17049..17180		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90398	Strand	-
Start	24938	End	27244
Name	OJ000250_98.0322.C12.o2.ts	Method	TBLASTX:Soybean
Start	21387	End	24006
GI	none	Score	71
Exons	21387..21443, 22176..22397, 22177..22398, 22177..22398, 22775..22921, 22801..22902, 23670..23801, 23710..23796, 23879..24004, 23882..24001, 23890..24006		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90398	Strand	-
Start	24938	End	27244
Name	OJ000250_98.0322.C12.o9.tm	Method	TBLASTX:Maize
Start	22137	End	22323
GI	none	Score	154
Exons	22137..22289, 22155..22298, 22159..22302, 22291..22323, 22293..22322		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90398	Strand	-
Start	24938	End	27244
Name	OJ000250_98.0322.C12.o2.tc	Method	TBLASTX:Cress
Start	22330	End	24018
GI	none	Score	87
Exons	22330..22398, 22775..22921, 22801..22917, 23664..23801, 23697..23795, 23710..23796, 23879..24004, 23890..24006, 23895..24014, 23896..24018		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90398	Strand	-
Start	24938	End	27244

Name	OJ000250_98.0322.C12.o10.tm	Method	TBLASTX:Maize
Start	22865	End	23952
GI	none	Score	77
Exons	22865..22918, 23658..23801, 23659..23796, 23882..23950, 23888..23950, 23889..23951, 23890..23952, 23890..23952		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90398	Strand	-
Start	24938	End	27244
Name	OJ000250_98.0322.C12.o5.np	Method	AAT/NAP
Start	24923	End	26841
GI	5739323	Score	759
Exons	24923..25915, 25991..26584, 26660..26841		
GI Descrip.	(AF166121) Cf2/Cf5 disease resistance protein homolog [Hordeum vulgare]		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90398	Strand	-
Start	24938	End	27244
Name	OJ000250_98.0322.C12.o9.gs	Method	GENSCAN
Start	24938	End	27244
GI	none	Score	.93
Exons	24938..27244		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90398	Strand	-
Start	24938	End	27244
Name	OJ000250_98.0322.C12.o1.tc	Method	TBLASTX:Cress
Start	25143	End	26836
GI	none	Score	92
Exons	25143..25295, 25257..25493, 25260..25427, 25332..25511, 25355..25513, 25358..25537, 25358..25504, 25358..25522, 25358..25513, 25358..25522, 25379..25513, 25388..25450, 25412..25522, 25454..25537, 25658..25816, 25661..26035, 25682..25810, 25685..25801, 25802..25984, 25805..26011, 25811..25960, 25829..25960, 25829..26161, 25835..25984, 25838..25960, 25973..26023, 25983..26018, 25985..26182, 25985..26158, 25985..26161, 25985..26188, 25985..26191, 25985..26494, 25985..26188, 25986..26180, 25988..26185, 26036..26161, 26058..26195, 26129..26605, 26147..26470, 26177..26281, 26183..26629, 26183..26434, 26186..26605, 26189..26557, 26192..26584, 26252..26563, 26262..26426, 26333..26617, 26343..26582, 26354..26545, 26396..26608, 26396..26581, 26468..26599, 26615..26713, 26624..26665, 26630..26713, 26792..26836		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90398	Strand	-
Start	24938	End	27244
Name	OJ000250_98.0322.C12.o7.tw	Method	TBLASTX:Wheat
Start	25184	End	26461
GI	none	Score	244
Exons	25184..25270, 25188..25583, 25254..25433, 25318..25578, 25358..25588, 25403..25537, 25985..26182, 26198..26461		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90398	Strand	-

Start	24938	End	27244
Name	OJ000250_98.0322.C12.o1.ts	Method	TBLASTX:Soybean
Start	25260	End	26713
GI	none	Score	74
Exons	25260..25511, 25355..25537, 25355..25537, 25355..25537, 25358..25513, 25358..25507, 25367..25537, 25373..25513, 25388..25513, 25676..25885, 25682..25810, 25691..25813, 25805..26167, 25805..25990, 25820..25984, 25826..25957, 25982..26161, 25985..26182, 25985..26170, 25985..26152, 25985..26161, 25985..26161, 25985..26170, 26147..26236, 26168..26533, 26186..26617, 26186..26581, 26189..26581, 26198..26713, 26315..26605, 26363..26581, 26397..26606, 26444..26563		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90398	Strand	-
Start	24938	End	27244
Name	OJ000250_98.0322.C12.o2.tm	Method	TBLASTX:Maize
Start	25412	End	26581
GI	none	Score	210
Exons	25412..25513, 25772..25984, 25829..25972, 25919..26194, 25920..26192, 25985..26167, 25991..26194, 26139..26375, 26195..26365, 26198..26314, 26218..26298, 26357..26536, 26411..26581		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90399	Strand	
Start	38286	End	38682
Name	OJ000250_98.0322.C12.o3.tm	Method	TBLASTX:Maize
Start	38286	End	38682
GI	none	Score	199
Exons	38286..38456, 38294..38527, 38294..38533, 38295..38534, 38611..38682, 38611..38679		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90400	Strand	
Start	44383	End	45021
Name	OJ000250_98.0322.C12.o8.tm	Method	TBLASTX:Maize
Start	44383	End	45021
GI	none	Score	79
Exons	44383..44469, 44384..44470, 44394..44471, 44394..44480, 44491..44646, 44561..44647, 44573..44653, 44725..44766, 44725..44766, 44851..44883, 44902..45021, 44963..45013		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90401	Strand	
Start	52936	End	53496
Name	OJ000250_98.0322.C12.o5.tw	Method	TBLASTX:Wheat
Start	52936	End	53295
GI	none	Score	305
Exons	52936..53295		

Seq. No.	43146	Seq. ID	OJ000250_98.0322.C12
Gene No.	90401	Strand	
Start	52936	End	53496
Name	OJ000250_98.0322.C12.o5.tm	Method	TBLASTX:Maize
Start	53026	End	53496

GI	none	Score	76
Exons	53026..53103, 53125..53454, 53296..53427, 53336..53443, 53424..53489, 53425..53496, 53454..53495		

Seq. No.	43147	Seq. ID	OJ000250_98.0322.C13
Gene No.	90402	Strand	+
Start	7724	End	11869
Name	OJ000250_98.0322.C13.o3.gs	Method	GENSCAN
Start	7724	End	11869
GI	none	Score	.65
Exons	7724..7763, 11661..11869		

Seq. No.	43147	Seq. ID	OJ000250_98.0322.C13
Gene No.	90403	Strand	-
Start	1	End	2448
Name	OJ000250_98.0322.C13.o1.np	Method	AAT/NAP
Start	1	End	1601
GI	130582	Score	766
Exons	1..1601		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi\|100342\|pir\|\|S04273 hypothetical protein - common tobacco gi\|20045\|emb\|CAA32025\| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	43147	Seq. ID	OJ000250_98.0322.C13
Gene No.	90403	Strand	-
Start	1	End	2448
Name	OJ000250_98.0322.C13.o1.gs	Method	GENSCAN
Start	34	End	2448
GI	none	Score	.81
Exons	34..1144, 1198..1622, 2242..2448		

Seq. No.	43147	Seq. ID	OJ000250_98.0322.C13
Gene No.	90404	Strand	-
Start	3033	End	4808
Name	OJ000250_98.0322.C13.o1.tw	Method	TBLASTX:Wheat
Start	835	End	1201
GI	none	Score	54
Exons	835..906, 835..897, 906..1001, 909..1016, 964..1026, 974..1015, 1018..1128, 1019..1111, 1024..1125, 1108..1200, 1118..1201		

Seq. No.	43147	Seq. ID	OJ000250_98.0322.C13
Gene No.	90404	Strand	-
Start	3033	End	4808
Name	OJ000250_98.0322.C13.o2.gs	Method	GENSCAN
Start	3033	End	4808
GI	none	Score	.68
Exons	3033..3150, 4032..4336, 4429..4578, 4806..4808		

Seq. No.	43148	Seq. ID	OJ000250_98.0322.C15
Gene No.	90405	Strand	+
Start	1	End	10256
Name	OJ000250_98.0322.C15.o1.np	Method	AAT/NAP
Start	1	End	10256
GI	4680183	Score	194
Exons	1..244, 9487..9555, 10165..10256		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	43148	Seq. ID	OJ000250_98.0322.C15
Gene No.	90405	Strand	+
Start	1	End	10256
Name	OJ000250_98.0322.C15.o1.gs	Method	GENSCAN
Start	444	End	1418
GI	none	Score	.72
Exons	444..540, 592..803, 1308..1418		

Seq. No.	43148	Seq. ID	OJ000250_98.0322.C15
Gene No.	90405	Strand	+
Start	1	End	10256
Name	OJ000250_98.0322.C15.o1.tm	Method	TBLASTX:Maize
Start	8519	End	8791
GI	none	Score	287
Exons	8519..8791, 8521..8622		

Seq. No.	43149	Seq. ID	OJ000250_98.0322.C16
Gene No.	90406	Strand	+
Start	1	End	2953
Name	OJ000250_98.0322.C16.o1.np	Method	AAT/NAP
Start	1	End	2953
GI	5295955	Score	851
Exons	1..77, 278..347, 890..1004, 1685..1811, 1857..2163, 2243..2281, 2320..2812, 2839..2953		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	43149	Seq. ID	OJ000250_98.0322.C16
Gene No.	90406	Strand	+
Start	1	End	2953
Name	OJ000250_98.0322.C16.o1.gs	Method	GENSCAN
Start	206	End	1207
GI	none	Score	.69
Exons	206..349, 954..1013, 1199..1207		

Seq. No.	43149	Seq. ID	OJ000250_98.0322.C16
Gene No.	90407	Strand	-
Start	1802	End	4638
Name	OJ000250_98.0322.C16.o2.gs	Method	GENSCAN
Start	1802	End	4519
GI	none	Score	.51
Exons	1802..1889, 2079..2160, 2253..2756, 3792..3970, 4374..4519		

Seq. No.	43149	Seq. ID	OJ000250_98.0322.C16
Gene No.	90407	Strand	-
Start	1802	End	4638
Name	OJ000250_98.0322.C16.o2.np	Method	AAT/NAP
Start	3870	End	4638
GI	7480058	Score	53
Exons	3870..3969, 4242..4324, 4592..4638		
GI Descrip.	hypothetical protein SCH35.41 - Streptomyces coelicolor gi\|5019333\|emb\|CAB44386.1\| (AL078610) hypothetical protein [Streptomyces coelicolor A3(2)]		

Seq. No.	43150	Seq. ID	OJ000250_98.0322.C17
Gene No.	90408	Strand	+

Start	269	End	485
Name	OJ000250_98.0322.C17.o1.gs	Method	GENSCAN
Start	269	End	485
GI	none	Score	.8
Exons	269..485		

Seq. No.	43151	Seq. ID	OJ000250_98.0322.C18
Gene No.	90409	Strand	+
Start	573	End	2915
Name	OJ000250_98.0322.C18.o1.gs	Method	GENSCAN
Start	573	End	2915
GI	none	Score	.84
Exons	573..1379, 2288..2437, 2532..2915		

Seq. No.	43151	Seq. ID	OJ000250_98.0322.C18
Gene No.	90410	Strand	+
Start	6740	End	7859
Name	OJ000250_98.0322.C18.o3.gs	Method	GENSCAN
Start	6740	End	7859
GI	none	Score	.63
Exons	6740..7023, 7197..7596, 7824..7859		

Seq. No.	43151	Seq. ID	OJ000250_98.0322.C18
Gene No.	90411	Strand	-
Start	5323	End	6279
Name	OJ000250_98.0322.C18.o2.gs	Method	GENSCAN
Start	5323	End	6279
GI	none	Score	.64
Exons	5323..5520, 5868..5931, 6026..6279		

Seq. No.	43152	Seq. ID	OJ000250_98.0322.C19
Gene No.	90412	Strand	+
Start	795	End	889
Name	OJ000250_98.0322.C19.o1.gs	Method	GENSCAN
Start	795	End	889
GI	none	Score	.49
Exons	795..889		

Seq. No.	43152	Seq. ID	OJ000250_98.0322.C19
Gene No.	90413	Strand	-
Start	312	End	587
Name	OJ000250_98.0322.C19.o1.gp	Method	AAT/GAP
Start	312	End	587
GI	61605_1.R1084	Score	479
Exons	312..587		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	43153	Seq. ID	OJ000250_98.0322.C26
Gene No.	90414	Strand	+
Start	2247	End	2444
Name	OJ000250_98.0322.C26.o1.gs	Method	GENSCAN
Start	2247	End	2444
GI	none	Score	.53
Exons	2247..2444		

Seq. No.	43154	Seq. ID	OJ000250_98.0322.C27

Gene No.	90415	Strand	+
Start	1745	End	4808
Name	OJ000250_98.0322.C27.o1.gs	Method	GENSCAN
Start	1745	End	4808
GI	none	Score	1
Exons	1745..1931, 3421..4808		

Seq. No.	43154	Seq. ID	OJ000250_98.0322.C27
Gene No.	90415	Strand	+
Start	1745	End	4808
Name	OJ000250_98.0322.C27.o1.np	Method	AAT/NAP
Start	3425	End	4802
GI	6453878	Score	993
Exons	3425..4802		
GI Descrip.	(AC011717) putative aspartyl protease [Arabidopsis thaliana]		

Seq. No.	43154	Seq. ID	OJ000250_98.0322.C27
Gene No.	90416	Strand	-
Start	5528	End	6132
Name	OJ000250_98.0322.C27.o1.tm	Method	TBLASTX:Maize
Start	3609	End	4217
GI	none	Score	38
Exons	3609..3722, 3765..3821, 3822..3902, 3978..4217, 4004..4216, 4010..4150		

Seq. No.	43154	Seq. ID	OJ000250_98.0322.C27
Gene No.	90416	Strand	-
Start	5528	End	6132
Name	OJ000250_98.0322.C27.o1.ts	Method	TBLASTX:Soybean
Start	3765	End	4580
GI	none	Score	172
Exons	3765..3905, 3773..3868, 3975..4175, 3983..4177, 4419..4490, 4527..4580		

Seq. No.	43154	Seq. ID	OJ000250_98.0322.C27
Gene No.	90416	Strand	-
Start	5528	End	6132
Name	OJ000250_98.0322.C27.o2.tc	Method	TBLASTX:Cress
Start	3987	End	4340
GI	none	Score	269
Exons	3987..4217, 4004..4216, 4266..4340		

Seq. No.	43154	Seq. ID	OJ000250_98.0322.C27
Gene No.	90416	Strand	-
Start	5528	End	6132
Name	OJ000250_98.0322.C27.o1.tc	Method	TBLASTX:Cress
Start	4418	End	4799
GI	none	Score	91
Exons	4418..4489, 4419..4493, 4506..4796, 4547..4798, 4596..4799		

Seq. No.	43154	Seq. ID	OJ000250_98.0322.C27
Gene No.	90416	Strand	-
Start	5528	End	6132
Name	OJ000250_98.0322.C27.o2.tm	Method	TBLASTX:Maize
Start	4602	End	4841
GI	none	Score	226
Exons	4602..4841, 4602..4745, 4604..4789, 4687..4815		

Seq. No.	43154	Seq. ID	OJ000250_98.0322.C27
Gene No.	90416	Strand	-
Start	5528	End	6132
Name	OJ000250_98.0322.C27.o2.gs	Method	GENSCAN
Start	5528	End	6132
GI	none	Score	.9
Exons	5528..5845, 5983..6132		

Seq. No.	43155	Seq. ID	OJ000250_98.0322.C28
Gene No.	90417	Strand	-
Start	101	End	971
Name	OJ000250_98.0322.C28.o1.gs	Method	GENSCAN
Start	101	End	971
GI	none	Score	.89
Exons	101..250, 960..971		

Seq. No.	43156	Seq. ID	OJ000250_98.0322.C33
Gene No.	90418	Strand	-
Start	1	End	939
Name	OJ000250_98.0322.C33.o1.np	Method	AAT/NAP
Start	1	End	939
GI	4885183	Score	97
Exons	1..124, 243..599, 734..772, 848..939		
GI Descrip.	diaphanous 1 gi\|6225268\|sp\|O60610\|DIA1_HUMAN DIAPHANOUS PROTEIN HOMOLOG 1 gi\|2947238 (AF051782) diaphanous 1 [Homo sapiens]		

Seq. No.	43156	Seq. ID	OJ000250_98.0322.C33
Gene No.	90418	Strand	-
Start	1	End	939
Name	OJ000250_98.0322.C33.o1.gs	Method	GENSCAN
Start	28	End	772
GI	none	Score	.52
Exons	28..101, 159..400, 449..502, 605..772		

Seq. No.	43157	Seq. ID	OJ000250_94.0323.C1
Gene No.	90419	Strand	-
Start	1	End	769
Name	OJ000250_94.0323.C1.o1.np	Method	AAT/NAP
Start	1	End	769
GI	4680204	Score	183
Exons	1..152, 249..422, 534..769		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	43157	Seq. ID	OJ000250_94.0323.C1
Gene No.	90419	Strand	-
Start	1	End	769
Name	OJ000250_94.0323.C1.o1.gs	Method	GENSCAN
Start	42	End	664
GI	none	Score	.77
Exons	42..152, 249..422, 534..664		

Seq. No.	43157	Seq. ID	OJ000250_94.0323.C1
Gene No.	90419	Strand	-
Start	1	End	769
Name	OJ000250_94.0323.C1.o1.tw	Method	TBLASTX:Wheat
Start	83	End	607

GI	none	Score	68
Exons	83..154, 254..436, 261..386, 527..607		

Seq. No.	43158	Seq. ID	OJ000250_94.0323.C17
Gene No.	90420	Strand	+
Start	318	End	1133
Name	OJ000250_94.0323.C17.o1.gs	Method	GENSCAN
Start	318	End	1133
GI	none	Score	.47
Exons	318..442, 761..1133		

Seq. No.	43159	Seq. ID	OJ000250_94.0323.C29
Gene No.	90421	Strand	+
Start	137	End	790
Name	OJ000250_94.0323.C29.o1.gp	Method	AAT/GAP
Start	137	End	790
GI	342_1.R1084	Score	858
Exons	137..271, 314..790		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	43159	Seq. ID	OJ000250_94.0323.C29
Gene No.	90422	Strand	-
Start	619	End	711
Name	OJ000250_94.0323.C29.o1.gs	Method	GENSCAN
Start	619	End	711
GI	none	Score	.57
Exons	619..711		

Seq. No.	43159	Seq. ID	OJ000250_94.0323.C29
Gene No.	90423	Strand	-
Start	660	End	790
Name	OJ000250_94.0323.C29.o1.np	Method	AAT/NAP
Start	660	End	790
GI	4680203	Score	102
Exons	660..790		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	43160	Seq. ID	OJ000250_94.0323.C30
Gene No.	90424	Strand	-
Start	1	End	3410
Name	OJ000250_94.0323.C30.o1.gp	Method	AAT/GAP
Start	1	End	2102
GI	342_1.R1084	Score	3527
Exons	1..2102		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	43160	Seq. ID	OJ000250_94.0323.C30
Gene No.	90424	Strand	-
Start	1	End	3410
Name	OJ000250_94.0323.C30.o1.np	Method	AAT/NAP
Start	1	End	3410
GI	4680203	Score	2353
Exons	1..279, 433..2106, 3378..3410		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	43160	Seq. ID	OJ000250_94.0323.C30
Gene No.	90424	Strand	-
Start	1	End	3410
Name	OJ000250_94.0323.C30.o2.tw	Method	TBLASTX:Wheat
Start	128	End	577
GI	none	Score	113
Exons	128..253, 129..257, 130..258, 130..252, 286..504, 326..508, 514..576, 527..577		

Seq. No.	43160	Seq. ID	OJ000250_94.0323.C30
Gene No.	90424	Strand	-
Start	1	End	3410
Name	OJ000250_94.0323.C30.o1.gs	Method	GENSCAN
Start	190	End	2106
GI	none	Score	.95
Exons	190..368, 501..2106		

Seq. No.	43160	Seq. ID	OJ000250_94.0323.C30
Gene No.	90424	Strand	-
Start	1	End	3410
Name	OJ000250_94.0323.C30.o2.ts	Method	TBLASTX:Soybean
Start	610	End	852
GI	none	Score	210
Exons	610..852		

Seq. No.	43160	Seq. ID	OJ000250_94.0323.C30
Gene No.	90424	Strand	-
Start	1	End	3410
Name	OJ000250_94.0323.C30.o1.tm	Method	TBLASTX:Maize
Start	682	End	1140
GI	none	Score	105
Exons	682..876, 886..1140, 886..1128		

Seq. No.	43160	Seq. ID	OJ000250_94.0323.C30
Gene No.	90424	Strand	-
Start	1	End	3410
Name	OJ000250_94.0323.C30.o1.tw	Method	TBLASTX:Wheat
Start	716	End	1185
GI	none	Score	168
Exons	716..922, 716..925, 721..924, 721..945, 923..1015, 925..1023, 926..1018, 1027..1131, 1031..1120, 1132..1185, 1133..1177		

Seq. No.	43160	Seq. ID	OJ000250_94.0323.C30
Gene No.	90424	Strand	-
Start	1	End	3410
Name	OJ000250_94.0323.C30.o1.tc	Method	TBLASTX:Cress
Start	973	End	1321
GI	none	Score	88
Exons	973..1314, 992..1129, 1169..1321		

Seq. No.	43160	Seq. ID	OJ000250_94.0323.C30
Gene No.	90424	Strand	-
Start	1	End	3410
Name	OJ000250_94.0323.C30.o3.gp	Method	AAT/GAP
Start	1035	End	2553
GI	2310235	Score	308
Exons	1035..1090, 1967..2106, 2516..2553		

GI Descrip.	5852182/emb\|CAB55420.1\| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	43160	Seq. ID	OJ000250_94.0323.C30
Gene No.	90424	Strand	-
Start	1	End	3410
Name	OJ000250_94.0323.C30.o1.ts	Method	TBLASTX:Soybean
Start	1054	End	1483
GI	none	Score	121
Exons	1054..1350, 1072..1296, 1345..1407, 1400..1483, 1408..1482		
Seq. No.	43160	Seq. ID	OJ000250_94.0323.C30
Gene No.	90424	Strand	-
Start	1	End	3410
Name	OJ000250_94.0323.C30.o3.tw	Method	TBLASTX:Wheat
Start	1404	End	1755
GI	none	Score	187
Exons	1404..1655, 1414..1665, 1415..1657, 1648..1755		
Seq. No.	43161	Seq. ID	OJ000250_94.0323.C31
Gene No.	90425	Strand	+
Start	1536	End	1611
Name	OJ000250_94.0323.C31.o1.gp	Method	AAT/GAP
Start	1536	End	1611
GI	LIB3477-003-P1-K1-E9	Score	106
Exons	1536..1611		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	43162	Seq. ID	OJ000250_94.0323.C32
Gene No.	90426	Strand	+
Start	376	End	766
Name	OJ000250_94.0323.C32.o1.gs	Method	GENSCAN
Start	376	End	766
GI	none	Score	.4
Exons	376..381, 692..766		
Seq. No.	43163	Seq. ID	OJ000250_94.0323.C33
Gene No.	90427	Strand	+
Start	292	End	348
Name	OJ000250_94.0323.C33.o1.gs	Method	GENSCAN
Start	292	End	348
GI	none	Score	.7
Exons	292..348		
Seq. No.	43164	Seq. ID	OJ000250_94.0323.C34
Gene No.	90428	Strand	-
Start	281	End	14869
Name	OJ000250_94.0323.C34.o1.gs	Method	GENSCAN
Start	281	End	14861
GI	none	Score	.8
Exons	281..393, 420..659, 949..1009, 1093..1206, 1415..1625, 1719..1805, 2591..2732, 2830..2937, 3467..3548, 3853..3924, 4244..4374, 4476..4578, 5100..5496, 5852..5979, 6200..6355, 6544..6663, 6766..6885, 6969..7094, 7417..7485, 7968..8159, 8394..8513, 9304..9357, 9512..10032, 10513..10624, 11763..11911,		

12005..12143, 12280..12459, 12997..13343, 13653..13869,
13968..14137, 14596..14861

Seq. No.	43164	Seq. ID	OJ000250_94.0323.C34
Gene No.	90428	Strand	-
Start	281	End	14869
Name	OJ000250_94.0323.C34.o1.tm	Method	TBLASTX:Maize
Start	380	End	3531
GI	none	Score	50
Exons	380..421, 382..420, 518..610, 520..621, 947..1048, 948..1010, 949..1035, 1116..1184, 1126..1185, 1126..1185, 1127..1186, 1258..1332, 1275..1334, 1280..1336, 1400..1510, 1400..1510, 1416..1547, 1475..1639, 1509..1640, 1712..1813, 1713..1805, 1860..1964, 2579..2734, 2594..2734, 2826..2936, 2831..2935, 3457..3531, 3468..3527		

Seq. No.	43164	Seq. ID	OJ000250_94.0323.C34
Gene No.	90428	Strand	-
Start	281	End	14869
Name	OJ000250_94.0323.C34.o1.gp	Method	AAT/GAP
Start	398	End	1341
GI	none	Score	870
Exons	398..659, 949..1009, 1093..1184, 1279..1341		

Seq. No.	43164	Seq. ID	OJ000250_94.0323.C34
Gene No.	90428	Strand	-
Start	281	End	14869
Name	OJ000250_94.0323.C34.o3.tm	Method	TBLASTX:Maize
Start	3850	End	5222
GI	none	Score	83
Exons	3850..3957, 3850..3930, 4244..4375, 4251..4376, 4470..4556, 4471..4557, 4475..4582, 4476..4586, 5093..5209, 5096..5209, 5097..5222, 5097..5222		

Seq. No.	43164	Seq. ID	OJ000250_94.0323.C34
Gene No.	90428	Strand	-
Start	281	End	14869
Name	OJ000250_94.0323.C34.o2.tm	Method	TBLASTX:Maize
Start	5849	End	6296
GI	none	Score	102
Exons	5849..5971, 5850..5984, 5851..5985, 5851..5979, 6046..6126, 6051..6128, 6052..6126, 6190..6288, 6200..6286, 6201..6296		

Seq. No.	43164	Seq. ID	OJ000250_94.0323.C34
Gene No.	90428	Strand	-
Start	281	End	14869
Name	OJ000250_94.0323.C34.o2.gp	Method	AAT/GAP
Start	5860	End	6686
GI	none	Score	846
Exons	5860..5979, 6063..6125, 6200..6355, 6544..6686		

Seq. No.	43164	Seq. ID	OJ000250_94.0323.C34
Gene No.	90428	Strand	-
Start	281	End	14869
Name	OJ000250_94.0323.C34.o1.tc	Method	TBLASTX:Cress
Start	14685	End	14869
GI	none	Score	160

Exons	14685..14858, 14685..14858, 14687..14869, 14687..14860		
Seq. No.	43165	Seq. ID	OJ000250_94.0323.C35
Gene No.	90429	Strand	+
Start	43	End	564
Name	OJ000250_94.0323.C35.o1.gs	Method	GENSCAN
Start	43	End	564
GI	none	Score	.97
Exons	43..564		
Seq. No.	43166	Seq. ID	OJ000250_94.0323.C36
Gene No.	90430	Strand	+
Start	1	End	1404
Name	OJ000250_94.0323.C36.o1.np	Method	AAT/NAP
Start	1	End	1404
GI	2213614	Score	349
Exons	1..41, 409..1404		
GI Descrip.	(AC000103) F21J9.8 [Arabidopsis thaliana]		
Seq. No.	43166	Seq. ID	OJ000250_94.0323.C36
Gene No.	90430	Strand	+
Start	1	End	1404
Name	OJ000250_94.0323.C36.o1.gs	Method	GENSCAN
Start	242	End	1375
GI	none	Score	.77
Exons	242..1375		
Seq. No.	43166	Seq. ID	OJ000250_94.0323.C36
Gene No.	90430	Strand	+
Start	1	End	1404
Name	OJ000250_94.0323.C36.o1.ts	Method	TBLASTX:Soybean
Start	644	End	1309
GI	none	Score	120
Exons	644..781, 875..982, 923..1171, 1040..1261, 1271..1309		
Seq. No.	43166	Seq. ID	OJ000250_94.0323.C36
Gene No.	90430	Strand	+
Start	1	End	1404
Name	OJ000250_94.0323.C36.o2.tm	Method	TBLASTX:Maize
Start	748	End	1117
GI	none	Score	75
Exons	748..795, 775..1077, 869..1078, 874..1080, 884..1093, 1075..1116, 1076..1117		
Seq. No.	43166	Seq. ID	OJ000250_94.0323.C36
Gene No.	90430	Strand	+
Start	1	End	1404
Name	OJ000250_94.0323.C36.o1.tm	Method	TBLASTX:Maize
Start	1121	End	1387
GI	none	Score	299
Exons	1121..1372, 1127..1387, 1207..1374		
Seq. No.	43167	Seq. ID	OJ000250_94.0323.C37
Gene No.	90431	Strand	+
Start	1	End	2435
Name	OJ000250_94.0323.C37.o1.np	Method	AAT/NAP
Start	1	End	2435

GI	1169186	Score	317
Exons	1..299, 585..809, 945..1135, 2417..2435		
GI Descrip.	THIOL PROTEASE SEN102 PRECURSOR gi\|1085732\|pir\|\|S36421 cysteine proteinase - Hemerocallis sp gi\|1364024\|pir\|\|S57777 cysteine protease precursor - Hemerocallis x hybrida gi\|396568\|emb\|CAA52425\| (X74406) thiol-protease [Hemerocallis sp.]		

Seq. No.	43167	Seq. ID	OJ000250_94.0323.C37
Gene No.	90431	Strand	+
Start	1	End	2435
Name	OJ000250_94.0323.C37.o1.gs	Method	GENSCAN
Start	89	End	1169
GI	none	Score	.84
Exons	89..299, 612..850, 945..1169		

Seq. No.	43167	Seq. ID	OJ000250_94.0323.C37
Gene No.	90431	Strand	+
Start	1	End	2435
Name	OJ000250_94.0323.C37.o1.gp	Method	AAT/GAP
Start	1345	End	1443
GI	LIB3477-003-P1-K1-E9	Score	115
Exons	1345..1443		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	43167	Seq. ID	OJ000250_94.0323.C37
Gene No.	90432	Strand	-
Start	1518	End	2243
Name	OJ000250_94.0323.C37.o1.ts	Method	TBLASTX:Soybean
Start	44	End	1106
GI	none	Score	186
Exons	44..304, 94..177, 250..303, 583..684, 584..685, 701..751, 706..750, 942..1106		

Seq. No.	43167	Seq. ID	OJ000250_94.0323.C37
Gene No.	90432	Strand	-
Start	1518	End	2243
Name	OJ000250_94.0323.C37.o2.gs	Method	GENSCAN
Start	1518	End	2243
GI	none	Score	.99
Exons	1518..1703, 1976..2048, 2133..2243		

Seq. No.	43168	Seq. ID	OJ000250_94.0323.C38
Gene No.	90433	Strand	+
Start	200	End	334
Name	OJ000250_94.0323.C38.o1.gs	Method	GENSCAN
Start	200	End	334
GI	none	Score	.86
Exons	200..334		

Seq. No.	43168	Seq. ID	OJ000250_94.0323.C38
Gene No.	90434	Strand	-
Start	1872	End	4213
Name	OJ000250_94.0323.C38.o1.tc	Method	TBLASTX:Cress
Start	83	End	3012

GI	none	Score	61
Exons	83..127, 84..155, 159..221, 167..220, 191..295, 1924..2040, 1929..2039, 2055..2090, 2063..2095, 2248..2319, 2420..2461, 2515..2616, 2516..2611, 2698..2766, 2709..2777, 2857..2949, 2858..2971, 2947..3012		
Seq. No.	43168	Seq. ID	OJ000250_94.0323.C38
Gene No.	90434	Strand	-
Start	1872	End	4213
Name	OJ000250_94.0323.C38.o2.tm	Method	TBLASTX:Maize
Start	83	End	2322
GI	none	Score	185
Exons	83..220, 84..221, 160..222, 251..307, 1929..1961, 1969..2043, 1971..2060, 2063..2140, 2257..2322		
Seq. No.	43168	Seq. ID	OJ000250_94.0323.C38
Gene No.	90434	Strand	-
Start	1872	End	4213
Name	OJ000250_94.0323.C38.o1.ts	Method	TBLASTX:Soybean
Start	84	End	3018
GI	none	Score	65
Exons	84..143, 150..221, 167..220, 251..307, 1974..2045, 1993..2043, 2063..2095, 2105..2140, 2233..2319, 2515..2616, 2516..2611, 2698..2778, 2709..2777, 2852..2929, 2857..3018		
Seq. No.	43168	Seq. ID	OJ000250_94.0323.C38
Gene No.	90434	Strand	-
Start	1872	End	4213
Name	OJ000250_94.0323.C38.o1.tw	Method	TBLASTX:Wheat
Start	84	End	3012
GI	none	Score	77
Exons	84..143, 159..221, 169..222, 170..220, 1981..2079, 1983..2078, 2060..2095, 2105..2140, 2449..2505, 2515..2613, 2516..2611, 2724..2783, 2725..2781, 2863..2997, 2866..3012		
Seq. No.	43168	Seq. ID	OJ000250_94.0323.C38
Gene No.	90434	Strand	-
Start	1872	End	4213
Name	OJ000250_94.0323.C38.o2.gs	Method	GENSCAN
Start	1872	End	3027
GI	none	Score	.5
Exons	1872..2073, 2258..2615, 2796..3027		
Seq. No.	43168	Seq. ID	OJ000250_94.0323.C38
Gene No.	90434	Strand	-
Start	1872	End	4213
Name	OJ000250_94.0323.C38.o1.np	Method	AAT/NAP
Start	1878	End	4213
GI	1169186	Score	516
Exons	1878..2146, 2248..2615, 2714..3024, 4187..4213		
GI Descrip.	THIOL PROTEASE SEN102 PRECURSOR gi\|1085732\|pir\|\|S36421 cysteine proteinase - Hemerocallis sp gi\|1364024\|pir\|\|S57777 cysteine protease precursor - Hemerocallis x hybrida gi\|396568\|emb\|CAA52425\| (X74406) thiol-protease [Hemerocallis sp.]		
Seq. No.	43168	Seq. ID	OJ000250_94.0323.C38

Gene No.	90434	Strand	-
Start	1872	End	4213
Name	OJ000250_94.0323.C38.o1.tm	Method	TBLASTX:Maize
Start	2500	End	3032
GI	none	Score	105
Exons	2500..2616, 2504..2611, 2709..2777, 2710..2778, 2848..3018, 2869..3027, 2879..3028, 2940..3032		

Seq. No.	43168	Seq. ID	OJ000250_94.0323.C38
Gene No.	90434	Strand	-
Start	1872	End	4213
Name	OJ000250_94.0323.C38.o1.gp	Method	AAT/GAP
Start	3329	End	3472
GI	LIB3431-027-P1-K1-D5	Score	251
Exons	3329..3472		
GI Descrip.	'2190552 1.0e-21 (AC001229) Similar to Holcus major pollen allergen (gb_Z27084). [Arabidopsis thaliana]'		

Seq. No.	43169	Seq. ID	OJ000250_94.0323.C39
Gene No.	90435	Strand	-
Start	2834	End	5440
Name	OJ000250_94.0323.C39.o1.np	Method	AAT/NAP
Start	2834	End	5440
GI	6016874	Score	116
Exons	2834..3104, 3835..3937, 5399..5440		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	43170	Seq. ID	OJ000250_94.0323.C40
Gene No.	90436	Strand	+
Start	981	End	1075
Name	OJ000250_94.0323.C40.o1.np	Method	AAT/NAP
Start	981	End	1075
GI	5852084	Score	82
Exons	981..1075		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	43170	Seq. ID	OJ000250_94.0323.C40
Gene No.	90437	Strand	+
Start	1573	End	1855
Name	OJ000250_94.0323.C40.o1.gp	Method	AAT/GAP
Start	1573	End	1855
GI	uC-osrocyp017e04a1	Score	463
Exons	1573..1855		
GI Descrip.	'2586089/gb\|U72728\|OLRDRGF1 2.0e-11 Oryza longistaminata receptor-like kinase protein (Xa21), family member F, pseudogene sequence'		

Seq. No.	43170	Seq. ID	OJ000250_94.0323.C40
Gene No.	90438	Strand	-
Start	1046	End	2374
Name	OJ000250_94.0323.C40.o1.gs	Method	GENSCAN
Start	1046	End	2374
GI	none	Score	.83
Exons	1046..1102, 1730..2374		

Seq. No.	43170	Seq. ID	OJ000250_94.0323.C40
Gene No.	90439	Strand	-
Start	2365	End	2423
Name	OJ000250_94.0323.C40.o2.gp	Method	AAT/GAP
Start	2365	End	2423
GI	none	Score	118
Exons	2365..2423		

Seq. No.	43171	Seq. ID	OJ000250_94.0323.C41
Gene No.	90440	Strand	+
Start	46	End	216
Name	OJ000250_94.0323.C41.o1.gs	Method	GENSCAN
Start	46	End	216
GI	none	Score	.99
Exons	46..216		

Seq. No.	43171	Seq. ID	OJ000250_94.0323.C41
Gene No.	90441	Strand	+
Start	428	End	856
Name	OJ000250_94.0323.C41.o2.gp	Method	AAT/GAP
Start	428	End	856
GI	5573_1.R1084	Score	822
Exons	428..856		
GI Descrip.	'168525/gb\|M74566\|MZENBPAA 3.0e-11 Zea mays nucleic acid-binding protein (NBP)'		

Seq. No.	43171	Seq. ID	OJ000250_94.0323.C41
Gene No.	90442	Strand	-
Start	1	End	114
Name	OJ000250_94.0323.C41.o1.gp	Method	AAT/GAP
Start	1	End	114
GI	none	Score	217
Exons	1..114		

Seq. No.	43171	Seq. ID	OJ000250_94.0323.C41
Gene No.	90443	Strand	-
Start	784	End	2456
Name	OJ000250_94.0323.C41.o1.tc	Method	TBLASTX:Cress
Start	784	End	2456
GI	none	Score	84
Exons	784..852, 791..853, 1024..1305, 1025..1306, 1042..1215, 1822..1926, 1824..1928, 1824..1928, 1842..1928, 1855..1926, 2403..2456		

Seq. No.	43171	Seq. ID	OJ000250_94.0323.C41
Gene No.	90443	Strand	-
Start	784	End	2456
Name	OJ000250_94.0323.C41.o1.ts	Method	TBLASTX:Soybean
Start	784	End	2456
GI	none	Score	163
Exons	784..852, 1024..1254, 1027..1215, 1028..1258, 1234..1311, 1235..1312, 1824..1928, 1834..1926, 1842..1928, 2403..2456		

Seq. No.	43171	Seq. ID	OJ000250_94.0323.C41
Gene No.	90443	Strand	-
Start	784	End	2456
Name	OJ000250_94.0323.C41.o2.gs	Method	GENSCAN

Start	784	End	1925
GI	none	Score	.78
Exons	784..849, 1024..1305, 1824..1925		

Seq. No.	43171	Seq. ID	OJ000250_94.0323.C41
Gene No.	90443	Strand	-
Start	784	End	2456
Name	OJ000250_94.0323.C41.o1.np	Method	AAT/NAP
Start	790	End	2456
GI	7446358	Score	693
Exons	790..849, 1024..1305, 1824..1925, 2406..2456		
GI Descrip.	cp31AHv protein - barley gi\|3550467\|emb\|CAA06469.1\| (AJ005286) cp31AHv protein [Hordeum vulgare]		

Seq. No.	43171	Seq. ID	OJ000250_94.0323.C41
Gene No.	90443	Strand	-
Start	784	End	2456
Name	OJ000250_94.0323.C41.o1.tm	Method	TBLASTX:Maize
Start	796	End	2456
GI	none	Score	63
Exons	796..852, 802..852, 999..1298, 1022..1306, 1022..1108, 1023..1304, 1024..1305, 1040..1216, 1042..1215, 1687..1740, 1819..1926, 1824..1928, 1824..1982, 1842..1928, 1868..1939, 2400..2456, 2403..2456		

Seq. No.	43171	Seq. ID	OJ000250_94.0323.C41
Gene No.	90443	Strand	-
Start	784	End	2456
Name	OJ000250_94.0323.C41.o1.tw	Method	TBLASTX:Wheat
Start	1024	End	1928
GI	none	Score	81
Exons	1024..1254, 1028..1207, 1839..1928		

Seq. No.	43172	Seq. ID	OJ000250_94.0323.C42
Gene No.	90444	Strand	+
Start	54	End	251
Name	OJ000250_94.0323.C42.o1.gs	Method	GENSCAN
Start	54	End	251
GI	none	Score	.94
Exons	54..142, 209..251		

Seq. No.	43172	Seq. ID	OJ000250_94.0323.C42
Gene No.	90445	Strand	-
Start	1	End	4450
Name	OJ000250_94.0323.C42.o1.gp	Method	AAT/GAP
Start	1	End	85
GI	6587_1.R1084	Score	133
Exons	1..85		
GI Descrip.	'3550467/emb\|CAA06469\| 3.0e-10 (AJ005286) cp31AHv protein [Hordeum vulgare]'		

Seq. No.	43172	Seq. ID	OJ000250_94.0323.C42
Gene No.	90445	Strand	-
Start	1	End	4450
Name	OJ000250_94.0323.C42.o1.np	Method	AAT/NAP
Start	1	End	3966
GI	6728858	Score	464

Exons	1..154, 976..1280, 1499..1571, 1699..1803, 1900..2016, 2100..2243, 2334..2418, 3882..3966		
GI Descrip.	(AC008113) F12A21.5 [Arabidopsis thaliana]		
Seq. No.	43172	Seq. ID	OJ000250_94.0323.C42
Gene No.	90445	Strand	-
Start	1	End	4450
Name	OJ000250_94.0323.C42.o2.gp	Method	AAT/GAP
Start	468	End	1262
GI	53834_1.R1084	Score	885
Exons	468..672, 765..852, 976..1103, 1178..1262		
GI Descrip.	'4835771/gb\|AAD30238.1\|AC007202_20 5.0e-11 (AC007202) Similar to gi_3844599 F31D5.2 gene product from Caenorhabditis elegans cosmid gb_U28941 and contains PF_00097 Zinc (Ring) finger C3HC4 domain. ESTs gb_F19963 and gb_T42582 come from this gene. [Arabidops'		
Seq. No.	43172	Seq. ID	OJ000250_94.0323.C42
Gene No.	90445	Strand	-
Start	1	End	4450
Name	OJ000250_94.0323.C42.o2.gs	Method	GENSCAN
Start	703	End	4450
GI	none	Score	.83
Exons	703..769, 976..1103, 1429..1587, 2100..2243, 2538..2750, 3990..4049, 4154..4450		
Seq. No.	43172	Seq. ID	OJ000250_94.0323.C42
Gene No.	90445	Strand	-
Start	1	End	4450
Name	OJ000250_94.0323.C42.o1.ts	Method	TBLASTX:Soybean
Start	978	End	2436
GI	none	Score	85
Exons	978..1082, 1084..1110, 1229..1276, 1670..1804, 1704..1832, 1898..1969, 1899..1964, 1970..2020, 1983..2018, 2096..2188, 2101..2190, 2206..2253, 2207..2269, 2332..2436, 2333..2419		
Seq. No.	43172	Seq. ID	OJ000250_94.0323.C42
Gene No.	90445	Strand	-
Start	1	End	4450
Name	OJ000250_94.0323.C42.o1.tm	Method	TBLASTX:Maize
Start	990	End	2424
GI	none	Score	96
Exons	990..1082, 1229..1294, 1670..1804, 1704..1805, 1898..1984, 1899..1964, 1985..2017, 2098..2211, 2102..2188, 2203..2253, 2313..2369, 2330..2422, 2332..2424		
Seq. No.	43172	Seq. ID	OJ000250_94.0323.C42
Gene No.	90445	Strand	-
Start	1	End	4450
Name	OJ000250_94.0323.C42.o1.tc	Method	TBLASTX:Cress
Start	1781	End	2421
GI	none	Score	37
Exons	1781..1804, 1782..1808, 1898..1966, 1899..1976, 1985..2017, 2098..2226, 2102..2179, 2332..2421, 2333..2419		
Seq. No.	43173	Seq. ID	OJ000250_94.0323.C43
Gene No.	90446	Strand	-

Start	204	End	1134
Name	OJ000250_94.0323.C43.o1.gs	Method	GENSCAN
Start	204	End	1084
GI	none	Score	.84
Exons	204..303, 846..1084		

Seq. No.	43173	Seq. ID	OJ000250_94.0323.C43
Gene No.	90446	Strand	-
Start	204	End	1134
Name	OJ000250_94.0323.C43.o1.ts	Method	TBLASTX:Soybean
Start	734	End	1087
GI	none	Score	52
Exons	734..868, 735..773, 797..1003, 799..1071, 803..1087		

Seq. No.	43173	Seq. ID	OJ000250_94.0323.C43
Gene No.	90446	Strand	-
Start	204	End	1134
Name	OJ000250_94.0323.C43.o1.tc	Method	TBLASTX:Cress
Start	737	End	1134
GI	none	Score	52
Exons	737..778, 739..786, 770..847, 801..875, 816..848, 854..1096, 951..1103, 961..1134, 965..994		

Seq. No.	43173	Seq. ID	OJ000250_94.0323.C43
Gene No.	90446	Strand	-
Start	204	End	1134
Name	OJ000250_94.0323.C43.o1.np	Method	AAT/NAP
Start	740	End	1091
GI	2213614	Score	319
Exons	740..1091		
GI Descrip.	(AC000103) F21J9.8 [Arabidopsis thaliana]		

Seq. No.	43174	Seq. ID	OJ000250_94.0323.C44
Gene No.	90447	Strand	-
Start	136	End	1120
Name	OJ000250_94.0323.C44.o1.tm	Method	TBLASTX:Maize
Start	90	End	1099
GI	none	Score	109
Exons	90..236, 118..234, 119..244, 122..235, 669..755, 677..754, 678..755, 833..1093, 846..1013, 848..1099		

Seq. No.	43174	Seq. ID	OJ000250_94.0323.C44
Gene No.	90447	Strand	-
Start	136	End	1120
Name	OJ000250_94.0323.C44.o1.gs	Method	GENSCAN
Start	136	End	1120
GI	none	Score	.72
Exons	136..232, 678..754, 845..1120		

Seq. No.	43175	Seq. ID	OJ000250_94.0323.C57
Gene No.	90448	Strand	+
Start	1	End	2298
Name	OJ000250_94.0323.C57.o1.np	Method	AAT/NAP
Start	1	End	2298
GI	322577	Score	869
Exons	1..95, 302..402, 502..586, 704..802, 1533..1601, 1707..1838, 2029..2123, 2205..2298		

GI Descrip. Raf protein kinase homolog CTR1 - Arabidopsis thaliana

Seq. No.	43175	Seq. ID	OJ000250_94.0323.C57
Gene No.	90449	Strand	+
Start	2255	End	3525
Name	OJ000250_94.0323.C57.o1.tm	Method	TBLASTX:Maize
Start	26	End	808
GI	none	Score	115
Exons	26..97, 27..116, 293..394, 300..401, 301..402, 302..403, 496..576, 499..585, 500..583, 511..627, 690..803, 703..804, 704..808		

Seq. No.	43175	Seq. ID	OJ000250_94.0323.C57
Gene No.	90449	Strand	+
Start	2255	End	3525
Name	OJ000250_94.0323.C57.o1.ts	Method	TBLASTX:Soybean
Start	26	End	2280
GI	none	Score	98
Exons	26..115, 27..104, 301..402, 302..403, 497..583, 499..585, 690..800, 703..804, 704..808, 1529..1600, 1533..1601, 1706..1834, 1707..1838, 1711..1839, 1712..1840, 1738..1839, 2025..2123, 2026..2121, 2038..2127, 2203..2280		

Seq. No.	43175	Seq. ID	OJ000250_94.0323.C57
Gene No.	90449	Strand	+
Start	2255	End	3525
Name	OJ000250_94.0323.C57.o1.tc	Method	TBLASTX:Cress
Start	26	End	2300
GI	none	Score	100
Exons	26..97, 27..104, 301..402, 301..402, 302..403, 499..585, 500..583, 501..587, 703..804, 704..808, 1532..1600, 1533..1601, 1706..1840, 1707..1844, 2026..2118, 2028..2117, 2196..2300, 2203..2295		

Seq. No.	43175	Seq. ID	OJ000250_94.0323.C57
Gene No.	90449	Strand	+
Start	2255	End	3525
Name	OJ000250_94.0323.C57.o2.tm	Method	TBLASTX:Maize
Start	1525	End	2301
GI	none	Score	91
Exons	1525..1596, 1532..1600, 1533..1601, 1537..1602, 1706..1840, 1707..1844, 1712..1849, 1713..1844, 2026..2124, 2028..2117, 2196..2294, 2206..2301		

Seq. No.	43175	Seq. ID	OJ000250_94.0323.C57
Gene No.	90449	Strand	+
Start	2255	End	3525
Name	OJ000250_94.0323.C57.o1.gp	Method	AAT/GAP
Start	2255	End	3525
GI	none	Score	921
Exons	2255..2492, 3281..3525		

Seq. No.	43176	Seq. ID	OJ000250_94.0323.C58
Gene No.	90450	Strand	+
Start	888	End	3271
Name	OJ000250_94.0323.C58.o1.gs	Method	GENSCAN
Start	888	End	3088

GI	none	Score	.75
Exons	888..2302, 3033..3088		
Seq. No.	43176	Seq. ID	OJ000250_94.0323.C58
Gene No.	90450	Strand	+
Start	888	End	3271
Name	OJ000250_94.0323.C58.o1.gp	Method	AAT/GAP
Start	1912	End	3271
GI	none	Score	1385
Exons	1912..2302, 2935..3271		
Seq. No.	43176	Seq. ID	OJ000250_94.0323.C58
Gene No.	90451	Strand	+
Start	4058	End	4382
Name	OJ000250_94.0323.C58.o2.gs	Method	GENSCAN
Start	4058	End	4382
GI	none	Score	.65
Exons	4058..4126, 4202..4382		
Seq. No.	43176	Seq. ID	OJ000250_94.0323.C58
Gene No.	90452	Strand	+
Start	6342	End	6396
Name	OJ000250_94.0323.C58.o2.gp	Method	AAT/GAP
Start	6342	End	6396
GI	16490_1.R1084	Score	86
Exons	6342..6396		
GI Descrip.	'4584525/emb\|CAB40756.1\| 7.0e-38 (AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana]'		
Seq. No.	43177	Seq. ID	OJ000250_94.0323.C61
Gene No.	90453	Strand	-
Start	978	End	1048
Name	OJ000250_94.0323.C61.o1.gp	Method	AAT/GAP
Start	978	End	1048
GI	38012_1.R1084	Score	82
Exons	978..1048		
GI Descrip.	'4097947/gb\|U72255\|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		
Seq. No.	43178	Seq. ID	OJ000250_94.0323.C62
Gene No.	90454	Strand	+
Start	333	End	4074
Name	OJ000250_94.0323.C62.o1.gs	Method	GENSCAN
Start	333	End	4074
GI	none	Score	.8
Exons	333..405, 928..1016, 1154..1268, 2034..2236, 3091..3231, 3310..4074		
Seq. No.	43178	Seq. ID	OJ000250_94.0323.C62
Gene No.	90455	Strand	-
Start	4873	End	5575
Name	OJ000250_94.0323.C62.o2.gs	Method	GENSCAN
Start	4873	End	5575
GI	none	Score	.6
Exons	4873..4928, 5502..5575		
Seq. No.	43179	Seq. ID	OJ000250_94.0323.C63

Gene No.	90456	Strand	+
Start	79	End	248
Name	OJ000250_94.0323.C63.o1.gs	Method	GENSCAN
Start	79	End	248
GI	none	Score	.46
Exons	79..248		

Seq. No.	43179	Seq. ID	OJ000250_94.0323.C63
Gene No.	90457	Strand	-
Start	2315	End	2552
Name	OJ000250_94.0323.C63.o2.gs	Method	GENSCAN
Start	2315	End	2520
GI	none	Score	.88
Exons	2315..2419, 2431..2520		

Seq. No.	43179	Seq. ID	OJ000250_94.0323.C63
Gene No.	90457	Strand	-
Start	2315	End	2552
Name	OJ000250_94.0323.C63.o1.np	Method	AAT/NAP
Start	2353	End	2552
GI	3860250	Score	245
Exons	2353..2552		
GI Descrip.	(AC005824) putative chorismate mutase/prephenate dehydratase [Arabidopsis thaliana]		

Seq. No.	43179	Seq. ID	OJ000250_94.0323.C63
Gene No.	90457	Strand	-
Start	2315	End	2552
Name	OJ000250_94.0323.C63.o1.tc	Method	TBLASTX:Cress
Start	2366	End	2551
GI	none	Score	149
Exons	2366..2551, 2395..2544		

Seq. No.	43179	Seq. ID	OJ000250_94.0323.C63
Gene No.	90457	Strand	-
Start	2315	End	2552
Name	OJ000250_94.0323.C63.o1.tm	Method	TBLASTX:Maize
Start	2378	End	2551
GI	none	Score	198
Exons	2378..2551, 2398..2550, 2402..2551		

Seq. No.	43179	Seq. ID	OJ000250_94.0323.C63
Gene No.	90457	Strand	-
Start	2315	End	2552
Name	OJ000250_94.0323.C63.o1.ts	Method	TBLASTX:Soybean
Start	2384	End	2550
GI	none	Score	191
Exons	2384..2548, 2395..2550		

Seq. No.	43179	Seq. ID	OJ000250_94.0323.C63
Gene No.	90457	Strand	-
Start	2315	End	2552
Name	OJ000250_94.0323.C63.o1.tw	Method	TBLASTX:Wheat
Start	2399	End	2551
GI	none	Score	154
Exons	2399..2533, 2401..2535, 2402..2551		

Seq. No.	43180	Seq. ID	OJ000250_94.0323.C64
Gene No.	90458	Strand	-
Start	2089	End	2286
Name	OJ000250_94.0323.C64.o1.tm	Method	TBLASTX:Maize
Start	2058	End	2254
GI	none	Score	122
Exons	2058..2252, 2086..2253, 2090..2254		

Seq. No.	43180	Seq. ID	OJ000250_94.0323.C64
Gene No.	90458	Strand	-
Start	2089	End	2286
Name	OJ000250_94.0323.C64.o1.np	Method	AAT/NAP
Start	2089	End	2286
GI	7529718	Score	228
Exons	2089..2286		
GI Descrip.	(AL132969) nuclear envelope membrane protein-like [Arabidopsis thaliana]		

Seq. No.	43181	Seq. ID	OJ000250_94.0323.C65
Gene No.	90459	Strand	-
Start	126	End	3436
Name	OJ000250_94.0323.C65.o1.gs	Method	GENSCAN
Start	126	End	3130
GI	none	Score	.76
Exons	126..207, 856..937, 1091..1137, 2878..2934, 3035..3130		

Seq. No.	43181	Seq. ID	OJ000250_94.0323.C65
Gene No.	90459	Strand	-
Start	126	End	3436
Name	OJ000250_94.0323.C65.o1.np	Method	AAT/NAP
Start	340	End	3353
GI	7529718	Score	523
Exons	340..460, 565..641, 1216..1321, 2082..2129, 2371..2462, 2878..2934, 3127..3353		
GI Descrip.	(AL132969) nuclear envelope membrane protein-like [Arabidopsis thaliana]		

Seq. No.	43181	Seq. ID	OJ000250_94.0323.C65
Gene No.	90459	Strand	-
Start	126	End	3436
Name	OJ000250_94.0323.C65.o1.tm	Method	TBLASTX:Maize
Start	340	End	3436
GI	none	Score	157
Exons	340..459, 341..460, 560..643, 561..644, 565..642, 815..937, 851..958, 856..951, 1085..1147, 1090..1149, 1216..1332, 1217..1345, 2074..2139, 2079..2129, 2360..2419, 2364..2462, 2368..2481, 2842..2934, 2970..3107, 3033..3107, 3213..3317, 3214..3318, 3398..3436		

Seq. No.	43181	Seq. ID	OJ000250_94.0323.C65
Gene No.	90459	Strand	-
Start	126	End	3436
Name	OJ000250_94.0323.C65.o1.ts	Method	TBLASTX:Soybean
Start	341	End	3269
GI	none	Score	137
Exons	341..451, 343..459, 344..454, 561..644, 562..642, 851..949, 851..937, 856..951, 1090..1146, 1188..1322, 1201..1332,		

1214..1345, 2079..2129, 2081..2128, 2364..2477, 2368..2481, 2842..2931, 3213..3269

Seq. No.	43181	Seq. ID	OJ000250_94.0323.C65
Gene No.	90459	Strand	-
Start	126	End	3436
Name	OJ000250_94.0323.C65.o1.gp	Method	AAT/GAP
Start	2073	End	2462
GI	21728_1.R1084	Score	213
Exons	2073..2129, 2371..2462		
GI Descrip.	'6015106/sp\|P78575\|ER24_ASCIM 2.0e-14 C-14 STEROL REDUCTASE (STEROL C14-REDUCTASE) >gi_1805625_emb_CAA71650_ (Y10624) sterol C-14 reductase [Ascobolus immersus]'		

Seq. No.	43182	Seq. ID	OJ000250_94.0323.C67
Gene No.	90460	Strand	-
Start	1516	End	4177
Name	OJ000250_94.0323.C67.o1.gs	Method	GENSCAN
Start	1516	End	4177
GI	none	Score	.62
Exons	1516..1669, 1715..1849, 1889..2011, 3431..3646, 3697..3827, 4028..4177		

Seq. No.	43182	Seq. ID	OJ000250_94.0323.C67
Gene No.	90460	Strand	-
Start	1516	End	4177
Name	OJ000250_94.0323.C67.o1.tm	Method	TBLASTX:Maize
Start	3940	End	4114
GI	none	Score	43
Exons	3940..4047, 3985..4029, 4040..4114, 4041..4100		

Seq. No.	43183	Seq. ID	OJ000250_94.0323.C68
Gene No.	90461	Strand	-
Start	1859	End	5580
Name	OJ000250_94.0323.C68.o1.np	Method	AAT/NAP
Start	1804	End	3860
GI	6069646	Score	952
Exons	1804..2793, 3076..3860		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	43183	Seq. ID	OJ000250_94.0323.C68
Gene No.	90461	Strand	-
Start	1859	End	5580
Name	OJ000250_94.0323.C68.o3.tw	Method	TBLASTX:Wheat
Start	1822	End	2223
GI	none	Score	101
Exons	1822..2016, 2074..2223		

Seq. No.	43183	Seq. ID	OJ000250_94.0323.C68
Gene No.	90461	Strand	-
Start	1859	End	5580
Name	OJ000250_94.0323.C68.o2.gs	Method	GENSCAN
Start	1859	End	5580

GI	none	Score	.46
Exons	1859..1974, 2117..2218, 2505..3263, 3319..3479, 3527..3742, 3890..4043, 5448..5580		

Seq. No.	43183	Seq. ID	OJ000250_94.0323.C68
Gene No.	90461	Strand	-
Start	1859	End	5580
Name	OJ000250_94.0323.C68.o3.tm	Method	TBLASTX:Maize
Start	2010	End	2292
GI	none	Score	107
Exons	2010..2285, 2011..2292, 2074..2286		

Seq. No.	43183	Seq. ID	OJ000250_94.0323.C68
Gene No.	90461	Strand	-
Start	1859	End	5580
Name	OJ000250_94.0323.C68.o4.tm	Method	TBLASTX:Maize
Start	2623	End	2841
GI	none	Score	113
Exons	2623..2841, 2624..2824		

Seq. No.	43183	Seq. ID	OJ000250_94.0323.C68
Gene No.	90461	Strand	-
Start	1859	End	5580
Name	OJ000250_94.0323.C68.o1.ts	Method	TBLASTX:Soybean
Start	2701	End	3240
GI	none	Score	146
Exons	2701..2829, 2860..2883, 2890..3240		

Seq. No.	43183	Seq. ID	OJ000250_94.0323.C68
Gene No.	90461	Strand	-
Start	1859	End	5580
Name	OJ000250_94.0323.C68.o1.tw	Method	TBLASTX:Wheat
Start	2779	End	3219
GI	none	Score	48
Exons	2779..2937, 2783..2872, 2923..3219, 2927..3217		

Seq. No.	43183	Seq. ID	OJ000250_94.0323.C68
Gene No.	90461	Strand	-
Start	1859	End	5580
Name	OJ000250_94.0323.C68.o2.tm	Method	TBLASTX:Maize
Start	2858	End	3463
GI	none	Score	61
Exons	2858..3130, 2860..3417, 3209..3367, 3385..3462, 3395..3463		

Seq. No.	43183	Seq. ID	OJ000250_94.0323.C68
Gene No.	90461	Strand	-
Start	1859	End	5580
Name	OJ000250_94.0323.C68.o1.tm	Method	TBLASTX:Maize
Start	3466	End	3891
GI	none	Score	273
Exons	3466..3891, 3467..3880		

Seq. No.	43183	Seq. ID	OJ000250_94.0323.C68
Gene No.	90461	Strand	-
Start	1859	End	5580
Name	OJ000250_94.0323.C68.o2.tw	Method	TBLASTX:Wheat
Start	3637	End	3972

GI	none	Score	78
Exons	3637..3819, 3820..3972		

Seq. No.	43184	Seq. ID	OJ000250_94.0323.C69
Gene No.	90462	Strand	-
Start	650	End	1150
Name	OJ000250_94.0323.C69.o1.gs	Method	GENSCAN
Start	650	End	1150
GI	none	Score	.77
Exons	650..684, 760..872, 954..1150		

Seq. No.	43185	Seq. ID	OJ000250_94.0323.C71
Gene No.	90463	Strand	+
Start	2112	End	3178
Name	OJ000250_94.0323.C71.o2.gs	Method	GENSCAN
Start	2112	End	3028
GI	none	Score	.84
Exons	2112..2507, 2726..3028		

Seq. No.	43185	Seq. ID	OJ000250_94.0323.C71
Gene No.	90463	Strand	+
Start	2112	End	3178
Name	OJ000250_94.0323.C71.o2.np	Method	AAT/NAP
Start	2179	End	3178
GI	322577	Score	349
Exons	2179..2507, 2726..3027, 3121..3178		
GI Descrip.	Raf protein kinase homolog CTR1 - Arabidopsis thaliana		

Seq. No.	43185	Seq. ID	OJ000250_94.0323.C71
Gene No.	90464	Strand	-
Start	1	End	3178
Name	OJ000250_94.0323.C71.o1.gp	Method	AAT/GAP
Start	1	End	3120
GI	342_1.R1084	Score	1646
Exons	1..949, 3102..3120		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	43185	Seq. ID	OJ000250_94.0323.C71
Gene No.	90464	Strand	-
Start	1	End	3178
Name	OJ000250_94.0323.C71.o2.gp	Method	AAT/GAP
Start	1	End	949
GI	342_1.R1084	Score	1645
Exons	1..949		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	43185	Seq. ID	OJ000250_94.0323.C71
Gene No.	90464	Strand	-
Start	1	End	3178
Name	OJ000250_94.0323.C71.o1.tw	Method	TBLASTX:Wheat
Start	1	End	933
GI	none	Score	116
Exons	1..123, 2..124, 71..166, 103..162, 169..213, 174..209, 208..276, 224..277, 239..304, 250..639, 251..538, 272..925, 279..917, 658..933		

Seq. No.	43185	Seq. ID	OJ000250_94.0323.C71
Gene No.	90464	Strand	-
Start	1	End	3178
Name	OJ000250_94.0323.C71.o1.gs	Method	GENSCAN
Start	70	End	790
GI	none	Score	.56
Exons	70..353, 466..790		

Seq. No.	43185	Seq. ID	OJ000250_94.0323.C71
Gene No.	90464	Strand	-
Start	1	End	3178
Name	OJ000250_94.0323.C71.o1.np	Method	AAT/NAP
Start	291	End	3178
GI	6742729	Score	994
Exons	291..943, 3120..3178		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	43185	Seq. ID	OJ000250_94.0323.C71
Gene No.	90464	Strand	-
Start	1	End	3178
Name	OJ000250_94.0323.C71.o1.tc	Method	TBLASTX:Cress
Start	389	End	840
GI	none	Score	188
Exons	389..826, 389..832, 393..836, 399..836, 658..840		

Seq. No.	43185	Seq. ID	OJ000250_94.0323.C71
Gene No.	90464	Strand	-
Start	1	End	3178
Name	OJ000250_94.0323.C71.o1.tm	Method	TBLASTX:Maize
Start	767	End	944
GI	none	Score	88
Exons	767..943, 795..944		

Seq. No.	43185	Seq. ID	OJ000250_94.0323.C71
Gene No.	90464	Strand	-
Start	1	End	3178
Name	OJ000250_94.0323.C71.o2.tc	Method	TBLASTX:Cress
Start	2316	End	3175
GI	none	Score	57
Exons	2316..2351, 2478..2510, 2720..2866, 2725..2937, 2876..3025, 3137..3175		

Seq. No.	43185	Seq. ID	OJ000250_94.0323.C71
Gene No.	90464	Strand	-
Start	1	End	3178
Name	OJ000250_94.0323.C71.o2.tm	Method	TBLASTX:Maize
Start	2788	End	3024
GI	none	Score	106
Exons	2788..2922, 2796..2918, 2796..2945, 2798..2923, 2882..3022, 2882..3022, 2883..3023, 2884..3024, 2884..3024		

Seq. No.	43186	Seq. ID	OJ000250_94.0323.C75
Gene No.	90465	Strand	+
Start	1	End	353
Name	OJ000250_94.0323.C75.o1.np	Method	AAT/NAP
Start	1	End	350

GI	7446359	Score	160
Exons	1..138, 291..350		
GI Descrip.	nucleic acid-binding protein - barley gi\|3550483\|emb\|CAA11893.1\| (AJ224324) cp31BHv [Hordeum vulgare]		

Seq. No.	43186	Seq. ID	OJ000250_94.0323.C75
Gene No.	90465	Strand	+
Start	1	End	353
Name	OJ000250_94.0323.C75.o1.gs	Method	GENSCAN
Start	88	End	353
GI	none	Score	.69
Exons	88..138, 291..353		

Seq. No.	43186	Seq. ID	OJ000250_94.0323.C75
Gene No.	90466	Strand	-
Start	1050	End	1608
Name	OJ000250_94.0323.C75.o2.gs	Method	GENSCAN
Start	1050	End	1608
GI	none	Score	.45
Exons	1050..1196, 1268..1462, 1594..1608		

Seq. No.	43187	Seq. ID	OJ000250_94.0323.C77
Gene No.	90467	Strand	-
Start	384	End	818
Name	OJ000250_94.0323.C77.o1.gs	Method	GENSCAN
Start	384	End	818
GI	none	Score	.47
Exons	384..474, 718..818		

Seq. No.	43188	Seq. ID	OJ000250_94.0323.C82
Gene No.	90468	Strand	-
Start	354	End	491
Name	OJ000250_94.0323.C82.o1.np	Method	AAT/NAP
Start	354	End	491
GI	7523512	Score	105
Exons	354..491		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	43189	Seq. ID	OJ000250_94.0323.C93
Gene No.	90469	Strand	+
Start	1	End	1433
Name	OJ000250_94.0323.C93.o1.np	Method	AAT/NAP
Start	1	End	1433
GI	4680204	Score	748
Exons	1..1195, 1270..1433		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	43189	Seq. ID	OJ000250_94.0323.C93
Gene No.	90469	Strand	+
Start	1	End	1433
Name	OJ000250_94.0323.C93.o1.gs	Method	GENSCAN
Start	74	End	1413
GI	none	Score	.48
Exons	74..114, 126..288, 395..1030, 1076..1195, 1270..1413		

Seq. No.	43189	Seq. ID	OJ000250_94.0323.C93
Gene No.	90469	Strand	+

Start	1	End	1433
Name	OJ000250_94.0323.C93.o1.tw	Method	TBLASTX:Wheat
Start	402	End	805
GI	none	Score	62
Exons	402..542, 402..512, 404..640,	404..553, 505..672, 635..805	

Seq. No.	43190	Seq. ID	OJ000250_94.0323.C95
Gene No.	90470	Strand	+
Start	1	End	200
Name	OJ000250_94.0323.C95.o1.np	Method	AAT/NAP
Start	1	End	200
GI	5042454	Score	65
Exons	1..38, 147..200		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	43190	Seq. ID	OJ000250_94.0323.C95
Gene No.	90471	Strand	-
Start	1	End	354
Name	OJ000250_94.0323.C95.o2.np	Method	AAT/NAP
Start	1	End	354
GI	5922623	Score	79
Exons	1..56, 225..354		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016856\|dbj\|BAA85199.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	43191	Seq. ID	OJ000250_94.0323.C97
Gene No.	90472	Strand	+
Start	28	End	797
Name	OJ000250_94.0323.C97.o1.gs	Method	GENSCAN
Start	28	End	797
GI	none	Score	.94
Exons	28..71, 245..297, 733..797		

Seq. No.	43191	Seq. ID	OJ000250_94.0323.C97
Gene No.	90473	Strand	+
Start	728	End	2996
Name	OJ000250_94.0323.C97.o1.np	Method	AAT/NAP
Start	728	End	2972
GI	6579207	Score	1371
Exons	728..749, 2029..2972		
GI Descrip.	(AC011438) T23G18.10 [Arabidopsis thaliana]		

Seq. No.	43191	Seq. ID	OJ000250_94.0323.C97
Gene No.	90473	Strand	+
Start	728	End	2996
Name	OJ000250_94.0323.C97.o2.gs	Method	GENSCAN
Start	1776	End	2996
GI	none	Score	.63
Exons	1776..2996		

Seq. No.	43191	Seq. ID	OJ000250_94.0323.C97
Gene No.	90474	Strand	+
Start	4013	End	4310
Name	OJ000250_94.0323.C97.o3.gs	Method	GENSCAN
Start	4013	End	4310
GI	none	Score	.54

Exons	4013..4119, 4190..4310		
Seq. No.	43191	Seq. ID	OJ000250_94.0323.C97
Gene No.	90475	Strand	-
Start	4316	End	5494
Name	OJ000250_94.0323.C97.o1.tw	Method	TBLASTX:Wheat
Start	2019	End	2423
GI	none	Score	591
Exons	2019..2105, 2028..2423, 2036..2236, 2312..2422, 2313..2423		
Seq. No.	43191	Seq. ID	OJ000250_94.0323.C97
Gene No.	90475	Strand	-
Start	4316	End	5494
Name	OJ000250_94.0323.C97.o1.ts	Method	TBLASTX:Soybean
Start	2022	End	2966
GI	none	Score	901
Exons	2022..2099, 2025..2675, 2033..2236, 2312..2434, 2522..2674, 2532..2693, 2670..2801, 2676..2966, 2678..2965		
Seq. No.	43191	Seq. ID	OJ000250_94.0323.C97
Gene No.	90475	Strand	-
Start	4316	End	5494
Name	OJ000250_94.0323.C97.o1.tm	Method	TBLASTX:Maize
Start	2028	End	3023
GI	none	Score	1369
Exons	2028..3023, 2036..2236, 2312..2962		
Seq. No.	43191	Seq. ID	OJ000250_94.0323.C97
Gene No.	90475	Strand	-
Start	4316	End	5494
Name	OJ000250_94.0323.C97.o1.tc	Method	TBLASTX:Cress
Start	2112	End	2963
GI	none	Score	391
Exons	2112..2357, 2138..2236, 2312..2359, 2358..2399, 2493..2666, 2522..2665, 2663..2944, 2664..2963, 2850..2948		
Seq. No.	43191	Seq. ID	OJ000250_94.0323.C97
Gene No.	90475	Strand	-
Start	4316	End	5494
Name	OJ000250_94.0323.C97.o2.tw	Method	TBLASTX:Wheat
Start	2586	End	2944
GI	none	Score	258
Exons	2586..2762, 2586..2750, 2594..2788, 2763..2807, 2765..2806, 2774..2944, 2807..2941, 2808..2942		
Seq. No.	43191	Seq. ID	OJ000250_94.0323.C97
Gene No.	90475	Strand	-
Start	4316	End	5494
Name	OJ000250_94.0323.C97.o1.gp	Method	AAT/GAP
Start	4316	End	5028
GI	5003506	Score	1392
Exons	4316..5028		
Seq. No.	43191	Seq. ID	OJ000250_94.0323.C97
Gene No.	90475	Strand	-
Start	4316	End	5494
Name	OJ000250_94.0323.C97.o2.np	Method	AAT/NAP

Start	4901	End	5494
GI	4115937	Score	233
Exons	4901..5494		
GI Descrip.	(AF118223) contains similarity to human PCF11p homolog (GB:AF046935) [Arabidopsis thaliana]		

Seq. No.	43191	Seq. ID	OJ000250_94.0323.C97
Gene No.	90475	Strand	-
Start	4316	End	5494
Name	OJ000250_94.0323.C97.o2.tc	Method	TBLASTX:Cress
Start	5035	End	5437
GI	none	Score	69
Exons	5035..5133, 5036..5134, 5036..5254, 5276..5437		

Seq. No.	43191	Seq. ID	OJ000250_94.0323.C97
Gene No.	90475	Strand	-
Start	4316	End	5494
Name	OJ000250_94.0323.C97.o2.tm	Method	TBLASTX:Maize
Start	5198	End	5476
GI	none	Score	157
Exons	5198..5476, 5201..5329, 5327..5398, 5375..5467		

Seq. No.	43191	Seq. ID	OJ000250_94.0323.C97
Gene No.	90475	Strand	-
Start	4316	End	5494
Name	OJ000250_94.0323.C97.o2.gp	Method	AAT/GAP
Start	5210	End	5494
GI	uC-osf1M202068h09b1	Score	535
Exons	5210..5494		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	43192	Seq. ID	OJ000250_94.0323.C98
Gene No.	90476	Strand	-
Start	133	End	1306
Name	OJ000250_94.0323.C98.o1.gs	Method	GENSCAN
Start	133	End	1255
GI	none	Score	.53
Exons	133..658, 914..1255		

Seq. No.	43192	Seq. ID	OJ000250_94.0323.C98
Gene No.	90476	Strand	-
Start	133	End	1306
Name	OJ000250_94.0323.C98.o1.gp	Method	AAT/GAP
Start	343	End	1289
GI	5003507	Score	1311
Exons	343..658, 914..1289		

Seq. No.	43192	Seq. ID	OJ000250_94.0323.C98
Gene No.	90476	Strand	-
Start	133	End	1306
Name	OJ000250_94.0323.C98.o1.tm	Method	TBLASTX:Maize
Start	906	End	1306
GI	none	Score	83
Exons	906..995, 908..997, 1005..1037, 1039..1278, 1040..1306, 1041..1283, 1043..1306		

Seq. No.	43193	Seq. ID	OJ000250_94.0323.C99
Gene No.	90477	Strand	+
Start	10269	End	14411
Name	OJ000250_94.0323.C99.o2.np	Method	AAT/NAP
Start	10269	End	14411
GI	7228457	Score	6049
Exons	10269..10635, 10697..12632, 12696..13530, 13653..14411		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	43193	Seq. ID	OJ000250_94.0323.C99
Gene No.	90478	Strand	-
Start	1	End	4782
Name	OJ000250_94.0323.C99.o1.gp	Method	AAT/GAP
Start	1	End	192
GI	5003507	Score	367
Exons	1..192		

Seq. No.	43193	Seq. ID	OJ000250_94.0323.C99
Gene No.	90478	Strand	-
Start	1	End	4782
Name	OJ000250_94.0323.C99.o1.np	Method	AAT/NAP
Start	1	End	4782
GI	4581148	Score	521
Exons	1..389, 509..590, 811..1109, 1220..1331, 2685..2830, 3027..3143, 4634..4782		
GI Descrip.	(AC006919) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43193	Seq. ID	OJ000250_94.0323.C99
Gene No.	90478	Strand	-
Start	1	End	4782
Name	OJ000250_94.0323.C99.o1.gs	Method	GENSCAN
Start	21	End	2996
GI	none	Score	.72
Exons	21..389, 489..620, 1230..1331, 2685..2996		

Seq. No.	43193	Seq. ID	OJ000250_94.0323.C99
Gene No.	90479	Strand	-
Start	6909	End	8993
Name	OJ000250_94.0323.C99.o3.tm	Method	TBLASTX:Maize
Start	1	End	236
GI	none	Score	213
Exons	1..186, 3..209, 9..236, 13..210, 196..234		

Seq. No.	43193	Seq. ID	OJ000250_94.0323.C99
Gene No.	90479	Strand	-
Start	6909	End	8993
Name	OJ000250_94.0323.C99.o4.tm	Method	TBLASTX:Maize
Start	2733	End	2991
GI	none	Score	125
Exons	2733..2900, 2734..2814, 2941..2991		

Seq. No.	43193	Seq. ID	OJ000250_94.0323.C99
Gene No.	90479	Strand	-
Start	6909	End	8993
Name	OJ000250_94.0323.C99.o2.gs	Method	GENSCAN

Start	6909	End	8993
GI	none	Score	.88
Exons	6909..7087, 7797..8763, 8841..8993		

Seq. No.	43193	Seq. ID	OJ000250_94.0323.C99
Gene No.	90480	Strand	
Start	10923	End	11315
Name	OJ000250_94.0323.C99.o4.tw	Method	TBLASTX:Wheat
Start	10923	End	11315
GI	none	Score	58
Exons	10923..10970, 10977..11075, 10982..11074, 11042..11281, 11058..11315		

Seq. No.	43193	Seq. ID	OJ000250_94.0323.C99
Gene No.	90480	Strand	
Start	10923	End	11315
Name	OJ000250_94.0323.C99.o5.tm	Method	TBLASTX:Maize
Start	10928	End	11213
GI	none	Score	197
Exons	10928..11212, 10965..11213		

Seq. No.	43193	Seq. ID	OJ000250_94.0323.C99
Gene No.	90481	Strand	
Start	12053	End	12512
Name	OJ000250_94.0323.C99.o3.tw	Method	TBLASTX:Wheat
Start	12053	End	12512
GI	none	Score	407
Exons	12053..12190, 12054..12512, 12248..12508		

Seq. No.	43193	Seq. ID	OJ000250_94.0323.C99
Gene No.	90482	Strand	
Start	12704	End	13190
Name	OJ000250_94.0323.C99.o1.tw	Method	TBLASTX:Wheat
Start	12704	End	13166
GI	none	Score	563
Exons	12704..13159, 12705..13166		

Seq. No.	43193	Seq. ID	OJ000250_94.0323.C99
Gene No.	90482	Strand	
Start	12704	End	13190
Name	OJ000250_94.0323.C99.o2.ts	Method	TBLASTX:Soybean
Start	12744	End	13109
GI	none	Score	106
Exons	12744..12968, 12975..13109		

Seq. No.	43193	Seq. ID	OJ000250_94.0323.C99
Gene No.	90482	Strand	
Start	12704	End	13190
Name	OJ000250_94.0323.C99.o1.tm	Method	TBLASTX:Maize
Start	12834	End	13190
GI	none	Score	397
Exons	12834..13190, 12869..13180, 13074..13190		

Seq. No.	43193	Seq. ID	OJ000250_94.0323.C99
Gene No.	90483	Strand	
Start	13217	End	13724
Name	OJ000250_94.0323.C99.o2.tm	Method	TBLASTX:Maize

Start	13217	End	13601
GI	none	Score	361
Exons	13217..13582, 13218..13601		

Seq. No.	43193	Seq. ID	OJ000250_94.0323.C99
Gene No.	90483	Strand	
Start	13217	End	13724
Name	OJ000250_94.0323.C99.o2.tw	Method	TBLASTX:Wheat
Start	13274	End	13699
GI	none	Score	490
Exons	13274..13699, 13275..13694		

Seq. No.	43193	Seq. ID	OJ000250_94.0323.C99
Gene No.	90483	Strand	
Start	13217	End	13724
Name	OJ000250_94.0323.C99.o1.ts	Method	TBLASTX:Soybean
Start	13353	End	13724
GI	none	Score	275
Exons	13353..13724, 13370..13513		

Seq. No.	43194	Seq. ID	OJ000250_94.0323.C100
Gene No.	90484	Strand	+
Start	1	End	1894
Name	OJ000250_94.0323.C100.o1.np	Method	AAT/NAP
Start	1	End	1891
GI	7228457	Score	2954
Exons	1..276, 343..1891		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	43194	Seq. ID	OJ000250_94.0323.C100
Gene No.	90484	Strand	+
Start	1	End	1894
Name	OJ000250_94.0323.C100.o1.gs	Method	GENSCAN
Start	124	End	1894
GI	none	Score	.67
Exons	124..973, 1126..1628, 1661..1894		

Seq. No.	43194	Seq. ID	OJ000250_94.0323.C100
Gene No.	90485	Strand	-
Start	2540	End	3653
Name	OJ000250_94.0323.C100.o3.tw	Method	TBLASTX:Wheat
Start	4	End	408
GI	none	Score	71
Exons	4..54, 91..408, 117..341		

Seq. No.	43194	Seq. ID	OJ000250_94.0323.C100
Gene No.	90485	Strand	-
Start	2540	End	3653
Name	OJ000250_94.0323.C100.o1.tw	Method	TBLASTX:Wheat
Start	766	End	1146
GI	none	Score	345
Exons	766..1146, 807..1079, 1101..1145		

Seq. No.	43194	Seq. ID	OJ000250_94.0323.C100
Gene No.	90485	Strand	-

Start	2540	End	3653
Name	OJ000250_94.0323.C100.o1.tm	Method	TBLASTX:Maize
Start	772	End	1125
GI	none	Score	352
Exons	772..1086, 807..1073, 1078..1125		

Seq. No.	43194	Seq. ID	OJ000250_94.0323.C100
Gene No.	90485	Strand	-
Start	2540	End	3653
Name	OJ000250_94.0323.C100.o2.tw	Method	TBLASTX:Wheat
Start	1273	End	1882
GI	none	Score	281
Exons	1273..1356, 1275..1571, 1307..1570, 1756..1878, 1757..1882		

Seq. No.	43194	Seq. ID	OJ000250_94.0323.C100
Gene No.	90485	Strand	-
Start	2540	End	3653
Name	OJ000250_94.0323.C100.o2.tm	Method	TBLASTX:Maize
Start	1751	End	1891
GI	none	Score	182
Exons	1751..1891, 1756..1890		

Seq. No.	43194	Seq. ID	OJ000250_94.0323.C100
Gene No.	90485	Strand	-
Start	2540	End	3653
Name	OJ000250_94.0323.C100.o2.gs	Method	GENSCAN
Start	2540	End	3649
GI	none	Score	.72
Exons	2540..2686, 2792..3200, 3240..3649		

Seq. No.	43194	Seq. ID	OJ000250_94.0323.C100
Gene No.	90485	Strand	-
Start	2540	End	3653
Name	OJ000250_94.0323.C100.o2.np	Method	AAT/NAP
Start	2543	End	3653
GI	7228456	Score	1428
Exons	2543..3653		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	43195	Seq. ID	OJ000250_94.0323.C101
Gene No.	90486	Strand	-
Start	1	End	1788
Name	OJ000250_94.0323.C101.o1.np	Method	AAT/NAP
Start	1	End	1788
GI	5803259	Score	2554
Exons	1..427, 527..1788		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	43195	Seq. ID	OJ000250_94.0323.C101
Gene No.	90486	Strand	-
Start	1	End	1788
Name	OJ000250_94.0323.C101.o1.gs	Method	GENSCAN
Start	57	End	1788
GI	none	Score	.89
Exons	57..427, 527..1255, 1325..1592, 1677..1788		

Seq. No.	43196	Seq. ID	OJ000250_87.0310.C1

Gene No.	90487	Strand	+
Start	26125	End	27225
Name	OJ000250_87.0310.C1.o5.gs	Method	GENSCAN
Start	26125	End	27225
GI	none	Score	.83
Exons	26125..26182, 26220..26352, 26893..27032, 27179..27225		

Seq. No.	43196	Seq. ID	OJ000250_87.0310.C1
Gene No.	90488	Strand	+
Start	27607	End	27716
Name	OJ000250_87.0310.C1.o1.gp	Method	AAT/GAP
Start	27607	End	27716
GI	uC-osroM202017a05a1	Score	142
Exons	27607..27716		
GI Descrip.	'6041846/gb\|AAF02155.1\|AC009853_15 1.0e-09 (AC009853) unknown protein [Arabidopsis thaliana]'		

Seq. No.	43196	Seq. ID	OJ000250_87.0310.C1
Gene No.	90489	Strand	-
Start	1586	End	4093
Name	OJ000250_87.0310.C1.o1.gs	Method	GENSCAN
Start	1586	End	4093
GI	none	Score	.96
Exons	1586..4093		

Seq. No.	43196	Seq. ID	OJ000250_87.0310.C1
Gene No.	90489	Strand	-
Start	1586	End	4093
Name	OJ000250_87.0310.C1.o5.np	Method	AAT/NAP
Start	1607	End	4081
GI	479356	Score	1848
Exons	1607..4081		
GI Descrip.	protein kinase PK1 (EC 2.7.1.-), receptor-like - maize		

Seq. No.	43196	Seq. ID	OJ000250_87.0310.C1
Gene No.	90489	Strand	-
Start	1586	End	4093
Name	OJ000250_87.0310.C1.o1.np	Method	AAT/NAP
Start	1861	End	4075
GI	5091617	Score	736
Exons	1861..2675, 2770..4075		
GI Descrip.	(AC007454) Contains similarity to gi\|479356 protein kinase PK1 from Zea mays, is a member of the PF\|00954 S-locus glycoprotein family and contains a PF\|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	43196	Seq. ID	OJ000250_87.0310.C1
Gene No.	90489	Strand	-
Start	1586	End	4093
Name	OJ000250_87.0310.C1.o2.np	Method	AAT/NAP
Start	2618	End	3931
GI	2598067	Score	812
Exons	2618..3931		
GI Descrip.	(AJ001486) Ser/Thr protein kinase [Zea mays]		

Seq. No.	43196	Seq. ID	OJ000250_87.0310.C1
Gene No.	90490	Strand	-

Start	7418	End	10974
Name	OJ000250_87.0310.C1.o2.gs	Method	GENSCAN
Start	7418	End	10974
GI	none	Score	.63
Exons	7418..7453, 7583..7714, 8585..8677, 8769..9015, 9058..10833, 10937..10974		

Seq. No.	43196	Seq. ID	OJ000250_87.0310.C1
Gene No.	90490	Strand	-
Start	7418	End	10974
Name	OJ000250_87.0310.C1.o6.np	Method	AAT/NAP
Start	7699	End	10812
GI	6815107	Score	776
Exons	7699..7831, 8751..9130, 9381..9549, 9667..10812		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	43196	Seq. ID	OJ000250_87.0310.C1
Gene No.	90490	Strand	-
Start	7418	End	10974
Name	OJ000250_87.0310.C1.o7.np	Method	AAT/NAP
Start	8937	End	10833
GI	6862929	Score	588
Exons	8937..10344, 10423..10603, 10643..10833		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	43196	Seq. ID	OJ000250_87.0310.C1
Gene No.	90491	Strand	-
Start	12967	End	15477
Name	OJ000250_87.0310.C1.o3.gs	Method	GENSCAN
Start	12967	End	15477
GI	none	Score	.99
Exons	12967..15477		

Seq. No.	43196	Seq. ID	OJ000250_87.0310.C1
Gene No.	90491	Strand	-
Start	12967	End	15477
Name	OJ000250_87.0310.C1.o8.np	Method	AAT/NAP
Start	12988	End	15459
GI	1346396	Score	1961
Exons	12988..15459		
GI Descrip.	PUTATIVE RECEPTOR PROTEIN KINASE ZMPK1 PRECURSOR gi\|100913\|pir\|\|S10930 probable receptor protein kinase (EC 2.7.1.-) precursor - maize gi\|22432\|emb\|CAA36611\| (X52384) precursor protein (AA -26 to 791) [Zea mays] gi\|22436\|emb\|CAA47962\| (X67733) receptor-like protein kinase [Zea mays] gi\|226927\|prf\|\|1611404A receptor protein kinase [Zea mays]		

Seq. No.	43196	Seq. ID	OJ000250_87.0310.C1
Gene No.	90492	Strand	-
Start	16636	End	25563
Name	OJ000250_87.0310.C1.o4.gs	Method	GENSCAN
Start	16636	End	25563
GI	none	Score	.5
Exons	16636..16814, 16943..17176, 17404..17512, 18524..18646, 18772..19114, 19150..19693, 19841..20216, 20240..20388,		

20816..21048, 21179..21362, 21368..21482, 21596..21793,
22209..22362, 22526..22594, 22825..22894, 23552..24214,
24940..25238, 25484..25563

Seq. No.	43196	Seq. ID	OJ000250_87.0310.C1
Gene No.	90492	Strand	-
Start	16636	End	25563
Name	OJ000250_87.0310.C1.o9.np	Method	AAT/NAP
Start	23552	End	24430
GI	1076755	Score	506
Exons	23552..23765, 23793..24430		
GI Descrip.	protein kinase - rice gi\|450300 (L27821) protein kinase [Oryza sativa]		

Seq. No.	43196	Seq. ID	OJ000250_87.0310.C1
Gene No.	90493	Strand	-
Start	30639	End	32102
Name	OJ000250_87.0310.C1.o1.tc	Method	TBLASTX:Cress
Start	1622	End	31389
GI	none	Score	51
Exons	1622..1678, 1622..1750, 1787..1834, 1862..1987, 1863..1979, 1997..2200, 2003..2179, 2210..2389, 2226..2339, 2405..2506, 3095..3295, 3509..3532, 3581..3685, 13003..13152, 13243..13368, 13258..13353, 13378..13590, 13384..13560, 13591..13770, 13607..13771, 13790..13825, 14482..14682, 14935..15054, 15103..15213, 23565..23705, 23571..23690, 23809..23922, 23811..23933, 23819..23950, 23925..24128, 23958..24092, 23959..24111, 24156..24335, 24172..24294, 24351..24428, 30648..30797, 30663..30806, 30897..31025, 30898..31023, 30911..31042, 31017..31220, 31050..31199, 31245..31388, 31261..31389		

Seq. No.	43196	Seq. ID	OJ000250_87.0310.C1
Gene No.	90493	Strand	-
Start	30639	End	32102
Name	OJ000250_87.0310.C1.o1.ts	Method	TBLASTX:Soybean
Start	1622	End	31484
GI	none	Score	35
Exons	1622..1759, 1625..1756, 1856..1984, 1857..1982, 1997..2359, 2015..2176, 2232..2300, 2357..2452, 13003..13140, 13004..13135, 13241..13360, 13249..13359, 13378..13743, 13396..13557, 13505..13681, 13753..13833, 13754..13834, 23565..23714, 23809..23934, 23811..23957, 23940..24125, 23956..24105, 24144..24299, 24303..24392, 30657..30806, 30667..30813, 30895..31026, 30903..31049, 31032..31484, 31048..31203		

Seq. No.	43196	Seq. ID	OJ000250_87.0310.C1
Gene No.	90493	Strand	-
Start	30639	End	32102
Name	OJ000250_87.0310.C1.o1.tm	Method	TBLASTX:Maize
Start	1853	End	31484
GI	none	Score	65
Exons	1853..1984, 1997..2359, 2372..2452, 13249..13359, 13378..13743, 13613..13741, 13753..13833, 13757..13834, 13883..13924, 23797..23916, 23811..23933, 23940..24122, 23955..24044, 24156..24299, 24163..24294, 24303..24392, 30889..31020, 30903..31025, 31032..31484, 31047..31136, 31159..31395		

Seq. No.	43196	Seq. ID	OJ000250_87.0310.C1
Gene No.	90493	Strand	-
Start	30639	End	32102
Name	OJ000250_87.0310.C1.o1.tw	Method	TBLASTX:Wheat
Start	1916	End	31374
GI	none	Score	190
Exons	1916..2182, 1917..2174, 2018..2176, 2207..2338, 2222..2338, 13297..13584, 13298..13555, 13399..13557, 13588..13719, 13589..13720, 23859..24128, 23941..24120, 24150..24284, 24166..24285, 24166..24285, 30951..31220, 30975..31205, 31033..31212, 31064..31219, 31242..31373, 31245..31367, 31249..31374, 31255..31374		

Seq. No.	43196	Seq. ID	OJ000250_87.0310.C1
Gene No.	90493	Strand	-
Start	30639	End	32102
Name	OJ000250_87.0310.C1.o4.tm	Method	TBLASTX:Maize
Start	8946	End	9257
GI	none	Score	81
Exons	8946..9257, 9072..9257		

Seq. No.	43196	Seq. ID	OJ000250_87.0310.C1
Gene No.	90493	Strand	-
Start	30639	End	32102
Name	OJ000250_87.0310.C1.o3.tc	Method	TBLASTX:Cress
Start	9030	End	9450
GI	none	Score	96
Exons	9030..9296, 9105..9296, 9381..9443, 9382..9450		

Seq. No.	43196	Seq. ID	OJ000250_87.0310.C1
Gene No.	90493	Strand	-
Start	30639	End	32102
Name	OJ000250_87.0310.C1.o2.ts	Method	TBLASTX:Soybean
Start	9858	End	10181
GI	none	Score	94
Exons	9858..10181, 9898..10143		

Seq. No.	43196	Seq. ID	OJ000250_87.0310.C1
Gene No.	90493	Strand	-
Start	30639	End	32102
Name	OJ000250_87.0310.C1.o3.tm	Method	TBLASTX:Maize
Start	9858	End	10241
GI	none	Score	56
Exons	9858..9944, 9858..10241, 9979..10140, 9984..10193		

Seq. No.	43196	Seq. ID	OJ000250_87.0310.C1
Gene No.	90493	Strand	-
Start	30639	End	32102
Name	OJ000250_87.0310.C1.o2.tc	Method	TBLASTX:Cress
Start	9903	End	10241
GI	none	Score	98
Exons	9903..10241, 9931..10143		

Seq. No.	43196	Seq. ID	OJ000250_87.0310.C1
Gene No.	90493	Strand	-
Start	30639	End	32102

Name	OJ000250_87.0310.C1.o2.tm	Method	TBLASTX:Maize
Start	10455	End	10837
GI	none	Score	129
Exons	10455..10634, 10456..10635, 10457..10639, 10629..10805, 10629..10820, 10639..10821, 10645..10821, 10649..10837		

Seq. No.	43196	Seq. ID	OJ000250_87.0310.C1
Gene No.	90493	Strand	-
Start	30639	End	32102
Name	OJ000250_87.0310.C1.o6.gs	Method	GENSCAN
Start	30639	End	32033
GI	none	Score	.93
Exons	30639..32033		

Seq. No.	43196	Seq. ID	OJ000250_87.0310.C1
Gene No.	90493	Strand	-
Start	30639	End	32102
Name	OJ000250_87.0310.C1.o10.np	Method	AAT/NAP
Start	30642	End	32102
GI	479356	Score	1063
Exons	30642..31707, 31749..32102		
GI Descrip.	protein kinase PK1 (EC 2.7.1.-), receptor-like - maize		

Seq. No.	43196	Seq. ID	OJ000250_87.0310.C1
Gene No.	90493	Strand	-
Start	30639	End	32102
Name	OJ000250_87.0310.C1.o11.np	Method	AAT/NAP
Start	31659	End	32102
GI	2598067	Score	136
Exons	31659..31707, 31749..32102		
GI Descrip.	(AJ001486) Ser/Thr protein kinase [Zea mays]		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90494	Strand	+
Start	4294	End	6296
Name	OJ000250_87.0310.C2.o1.gp	Method	AAT/GAP
Start	4294	End	5424
GI	LIB3477-011-P1-K1-D4	Score	859
Exons	4294..4595, 5217..5424		
GI Descrip.	'1698774/gb\|U70311\|CVU70311 8.0e-19 Filamentous phage display expression cloning vector pZGT5 with murine Ig kappa light chain fragment insert, complete sequence'		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90494	Strand	+
Start	4294	End	6296
Name	OJ000250_87.0310.C2.o3.gs	Method	GENSCAN
Start	5224	End	6099
GI	none	Score	.47
Exons	5224..6099		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90494	Strand	+
Start	4294	End	6296
Name	OJ000250_87.0310.C2.o2.gp	Method	AAT/GAP
Start	5783	End	6296
GI	2798881	Score	759

Exons	5783..6296		
GI Descrip.	1698774/gb\|U70311\|CVU70311 8.0e-19 Filamentous phage display expression cloning vector pZGT5 with murine Ig kappa light chain fragment insert, complete sequence		
Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90495	Strand	+
Start	14687	End	18682
Name	OJ000250_87.0310.C2.o5.gs	Method	GENSCAN
Start	14687	End	17452
GI	none	Score	.7
Exons	14687..14776, 14881..15060, 15298..15609, 16411..16644, 16826..17452		
Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90495	Strand	+
Start	14687	End	18682
Name	OJ000250_87.0310.C2.o4.np	Method	AAT/NAP
Start	14720	End	18682
GI	6911863	Score	917
Exons	14720..14776, 14881..15041, 15270..15609, 16411..16644, 16847..17437, 18650..18682		
GI Descrip.	(AL138655) putative protein [Arabidopsis thaliana]		
Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90496	Strand	+
Start	20153	End	20914
Name	OJ000250_87.0310.C2.o7.gs	Method	GENSCAN
Start	20153	End	20914
GI	none	Score	.85
Exons	20153..20210, 20272..20360, 20485..20640, 20903..20914		
Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90497	Strand	+
Start	31002	End	33977
Name	OJ000250_87.0310.C2.o8.np	Method	AAT/NAP
Start	31002	End	33977
GI	7489066	Score	486
Exons	31002..31910, 32012..32312, 32419..33328, 33809..33977		
GI Descrip.	resistance complex protein I2C-2 - tomato gi\|2258317\|gb\|AAB63275.1\| (AF004879) resistance complex protein I2C-2 [Lycopersicon esculentum]		
Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90497	Strand	+
Start	31002	End	33977
Name	OJ000250_87.0310.C2.o6.np	Method	AAT/NAP
Start	31040	End	31582
GI	7489527	Score	818
Exons	31040..31582		
GI Descrip.	probable disease resistance protein - rice (fragment) gi\|3248995\|gb\|AAC79989.1\| (AF067193) putative resistance protein [Oryza sativa]		
Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90497	Strand	+
Start	31002	End	33977

Name	OJ000250_87.0310.C2.o8.gp	Method	AAT/GAP
Start	32988	End	33522
GI	none	Score	1062
Exons	32988..33522		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90498	Strand	+
Start	39501	End	45761
Name	OJ000250_87.0310.C2.o11.gs	Method	GENSCAN
Start	39501	End	45761
GI	none	Score	.42
Exons	39501..39560, 39752..39957, 40368..40434, 40887..41245, 41302..42052, 42086..42160, 42351..42565, 42824..43471, 43560..43733, 43823..43933, 44034..44058, 44202..44300, 44400..44534, 45720..45761		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90499	Strand	+
Start	60061	End	60231
Name	OJ000250_87.0310.C2.o14.gs	Method	GENSCAN
Start	60061	End	60231
GI	none	Score	.86
Exons	60061..60231		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90500	Strand	-
Start	1	End	4076
Name	OJ000250_87.0310.C2.o2.np	Method	AAT/NAP
Start	1	End	2672
GI	7486979	Score	419
Exons	1..43, 1474..2268, 2598..2672		
GI Descrip.	hypothetical protein T13K14.230 - Arabidopsis thaliana (fragment) gi\|5262797\|emb\|CAB45902.1\| (AL080282) putative protein (fragment) [Arabidopsis thaliana] gi\|7268904\|emb\|CAB79107.1\| (AL161554) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90500	Strand	-
Start	1	End	4076
Name	OJ000250_87.0310.C2.o1.np	Method	AAT/NAP
Start	1	End	757
GI	1346396	Score	406
Exons	1..757		
GI Descrip.	PUTATIVE RECEPTOR PROTEIN KINASE ZMPK1 PRECURSOR gi\|100913\|pir\|\|S10930 probable receptor protein kinase (EC 2.7.1.-) precursor - maize gi\|22432\|emb\|CAA36611\| (X52384) precursor protein (AA -26 to 791) [Zea mays] gi\|22436\|emb\|CAA47962\| (X67733) receptor-like protein kinase [Zea mays] gi\|226927\|prf\|\|1611404A receptor protein kinase [Zea mays]		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90500	Strand	-
Start	1	End	4076
Name	OJ000250_87.0310.C2.o1.gs	Method	GENSCAN
Start	45	End	763

GI	none	Score	.78
Exons	45..763		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90500	Strand	-
Start	1	End	4076
Name	OJ000250_87.0310.C2.o2.gs	Method	GENSCAN
Start	1522	End	4076
GI	none	Score	.61
Exons	1522..2181, 2214..2238, 3239..3579, 4011..4076		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90501	Strand	-
Start	7577	End	12541
Name	OJ000250_87.0310.C2.o3.gp	Method	AAT/GAP
Start	7373	End	8516
GI	5836_1.R1084	Score	1519
Exons	7373..7660, 7774..7942, 8028..8283, 8377..8516		
GI Descrip.	'4239879/dbj\|BAA74729\| 4.0e-54 (AB016780) Glutamine:fructose-6-phosphate amidotransferase 2 [Mus musculus]'		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90501	Strand	-
Start	7577	End	12541
Name	OJ000250_87.0310.C2.o4.gs	Method	GENSCAN
Start	7577	End	12391
GI	none	Score	.8
Exons	7577..7660, 7774..7942, 8028..8283, 8377..8491, 8568..8818, 8942..9269, 9574..9735, 10338..10477, 10817..10928, 11471..11546, 11577..11643, 12139..12391		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90501	Strand	-
Start	7577	End	12541
Name	OJ000250_87.0310.C2.o3.np	Method	AAT/NAP
Start	7580	End	12391
GI	7499624	Score	1281
Exons	7580..7660, 7774..7942, 8028..8279, 8373..8491, 8568..8818, 8942..9269, 9574..9852, 10303..10477, 10829..10928, 11471..11659, 12191..12391		
GI Descrip.	hypothetical protein F22B3.4 - Caenorhabditis elegans gi\|3876197\|emb\|CAA92735.1\| (Z68336) predicted using Genefinder; Similarity to Human glucosamin-fructose-6-phosphate aminotransferase (SW:GFAT_HUMAN); cDNA EST EMBL:Z14705 comes from this gene; cDNA EST EMBL:D32748 comes from this gene; cDNA EST EMBL:D35477 comes from this gene; >		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90501	Strand	-
Start	7577	End	12541
Name	OJ000250_87.0310.C2.o4.gp	Method	AAT/GAP
Start	12241	End	12541
GI	5005349	Score	496
Exons	12241..12541		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2

Gene No.	90502	Strand	-
Start	17832	End	18967
Name	OJ000250_87.0310.C2.o5.gp	Method	AAT/GAP
Start	17832	End	18760
GI	none	Score	831
Exons	17832..18122, 18457..18760		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90502	Strand	-
Start	17832	End	18967
Name	OJ000250_87.0310.C2.o6.gs	Method	GENSCAN
Start	18009	End	18967
GI	none	Score	.97
Exons	18009..18122, 18457..18755, 18961..18967		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90503	Strand	-
Start	21753	End	26304
Name	OJ000250_87.0310.C2.o5.np	Method	AAT/NAP
Start	21745	End	26304
GI	3894159	Score	393
Exons	21745..21943, 21971..22200, 22424..22542, 25929..26304		
GI Descrip.	(AC005312) lectin-like protein [Arabidopsis thaliana]		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90503	Strand	-
Start	21753	End	26304
Name	OJ000250_87.0310.C2.o8.gs	Method	GENSCAN
Start	21753	End	26270
GI	none	Score	.89
Exons	21753..22200, 23392..23426, 25929..26270		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90503	Strand	-
Start	21753	End	26304
Name	OJ000250_87.0310.C2.o7.gp	Method	AAT/GAP
Start	22454	End	26289
GI	53165_1.R1084	Score	822
Exons	22454..22542, 25929..26289		
GI Descrip.	'3894168 8.0e-14 (AC005312) similar to phloem-specific lectin [Arabidopsis thaliana]'		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90504	Strand	-
Start	33905	End	34329
Name	OJ000250_87.0310.C2.o9.gp	Method	AAT/GAP
Start	33905	End	34329
GI	none	Score	850
Exons	33905..34329		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90505	Strand	-
Start	35478	End	37990
Name	OJ000250_87.0310.C2.o10.gs	Method	GENSCAN
Start	35478	End	37990
GI	none	Score	.68
Exons	35478..36106, 36410..36772, 36892..37129, 37214..37713,		

37804..37990

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90505	Strand	-
Start	35478	End	37990
Name	OJ000250_87.0310.C2.o10.np	Method	AAT/NAP
Start	37259	End	37990
GI	7248393	Score	412
Exons	37259..37596, 37672..37990		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90506	Strand	-
Start	46377	End	53563
Name	OJ000250_87.0310.C2.o12.gs	Method	GENSCAN
Start	46377	End	53457
GI	none	Score	.73
Exons	46377..46523, 46829..46909, 47931..48090, 48820..49161, 49277..49547, 49880..50112, 50255..50517, 50655..50831, 50948..51089, 51189..51308, 51429..51545, 52502..52561, 53019..53140, 53290..53457		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90506	Strand	-
Start	46377	End	53563
Name	OJ000250_87.0310.C2.o11.np	Method	AAT/NAP
Start	48787	End	53134
GI	2160178	Score	1457
Exons	48787..49161, 49277..49547, 49880..50112, 50255..50517, 50655..50831, 50948..51089, 51189..51308, 51429..51545, 52502..52561, 53018..53134		
GI Descrip.	(AC000132) No definition line found [Arabidopsis thaliana]		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90506	Strand	-
Start	46377	End	53563
Name	OJ000250_87.0310.C2.o10.gp	Method	AAT/GAP
Start	53062	End	53563
GI	none	Score	530
Exons	53062..53140, 53290..53563		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90507	Strand	-
Start	57461	End	57955
Name	OJ000250_87.0310.C2.o2.tc	Method	TBLASTX:Cress
Start	1520	End	1998
GI	none	Score	94
Exons	1520..1807, 1525..1809, 1525..1701, 1633..1704, 1666..1704, 1721..1816, 1819..1908, 1819..1899, 1822..1899, 1894..1998, 1897..1995		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90507	Strand	-
Start	57461	End	57955
Name	OJ000250_87.0310.C2.o3.tw	Method	TBLASTX:Wheat
Start	1525	End	1998
GI	none	Score	92

Exons	1525..1809, 1616..1807, 1822..1908, 1921..1998		
Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90507	Strand	-
Start	57461	End	57955
Name	OJ000250_87.0310.C2.o2.ts	Method	TBLASTX:Soybean
Start	5146	End	6048
GI	none	Score	70
Exons	5146..5259, 5213..5257, 5257..5313, 5266..5316, 5462..5725, 5463..5741, 5469..5741, 5470..5760, 5830..5910, 5923..6048		
Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90507	Strand	-
Start	57461	End	57955
Name	OJ000250_87.0310.C2.o1.tm	Method	TBLASTX:Maize
Start	5211	End	6176
GI	none	Score	104
Exons	5211..5279, 5215..5277, 5246..5278, 5262..6098, 5274..5351, 5275..6099, 5275..6102, 5282..6175, 5814..6176		
Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90507	Strand	-
Start	57461	End	57955
Name	OJ000250_87.0310.C2.o3.tc	Method	TBLASTX:Cress
Start	5329	End	5691
GI	none	Score	34
Exons	5329..5361, 5470..5637, 5472..5636, 5659..5691, 5661..5690		
Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90507	Strand	-
Start	57461	End	57955
Name	OJ000250_87.0310.C2.o3.tm	Method	TBLASTX:Maize
Start	7577	End	8405
GI	none	Score	121
Exons	7577..7666, 7584..7661, 7771..7941, 7775..7849, 7776..7850, 7846..7944, 7847..7948, 7871..7945, 8016..8135, 8028..8282, 8030..8287, 8376..8405		
Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90507	Strand	-
Start	57461	End	57955
Name	OJ000250_87.0310.C2.o1.ts	Method	TBLASTX:Soybean
Start	8175	End	9143
GI	none	Score	39
Exons	8175..8282, 8177..8299, 8363..8494, 8375..8494, 8543..8692, 8556..8819, 8566..8814, 8568..8819, 8569..8820, 8934..9035, 8937..9032, 8939..9049, 8941..9051, 9076..9141, 9093..9143		
Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90507	Strand	-
Start	57461	End	57955
Name	OJ000250_87.0310.C2.o2.tm	Method	TBLASTX:Maize
Start	8561	End	9687
GI	none	Score	355
Exons	8561..8818, 8565..8819, 8566..8841, 8566..8817, 8600..8818, 8934..9035, 8935..9054, 8939..9049, 9001..9270, 9044..9271, 9072..9284, 9072..9275, 9572..9685, 9573..9686, 9574..9687,		

9574..9687

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90507	Strand	-
Start	57461	End	57955
Name	OJ000250_87.0310.C2.o6.tm	Method	TBLASTX:Maize
Start	11465	End	12393
GI	none	Score	53
Exons	11465..11506, 11470..11535, 11505..11549, 11507..11548, 11533..11643, 11534..11650, 11536..11643, 11550..11648, 12139..12177, 12140..12205, 12174..12206, 12272..12391, 12337..12393		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90507	Strand	-
Start	57461	End	57955
Name	OJ000250_87.0310.C2.o7.ts	Method	TBLASTX:Soybean
Start	12143	End	12397
GI	none	Score	191
Exons	12143..12199, 12272..12397		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90507	Strand	-
Start	57461	End	57955
Name	OJ000250_87.0310.C2.o5.tm	Method	TBLASTX:Maize
Start	14734	End	16975
GI	none	Score	45
Exons	14734..14778, 14883..14972, 14884..14973, 15285..15365, 15286..15366, 15433..15609, 15439..15609, 15453..15614, 16411..16644, 16521..16640, 16844..16882, 16886..16975		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90507	Strand	-
Start	57461	End	57955
Name	OJ000250_87.0310.C2.o1.tc	Method	TBLASTX:Cress
Start	14747	End	16494
GI	none	Score	47
Exons	14747..14779, 14881..14973, 15285..15374, 15292..15366, 15426..15608, 15427..15609, 16411..16494		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90507	Strand	-
Start	57461	End	57955
Name	OJ000250_87.0310.C2.o3.ts	Method	TBLASTX:Soybean
Start	14884	End	16975
GI	none	Score	76
Exons	14884..14973, 15286..15366, 15403..15609, 15420..15614, 16411..16644, 16524..16655, 16844..16882, 16886..16975		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90507	Strand	-
Start	57461	End	57955
Name	OJ000250_87.0310.C2.o1.tw	Method	TBLASTX:Wheat
Start	15286	End	15614
GI	none	Score	88
Exons	15286..15366, 15436..15603, 15442..15603, 15449..15604, 15456..15614		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90507	Strand	-
Start	57461	End	57955
Name	OJ000250_87.0310.C2.o8.tm	Method	TBLASTX:Maize
Start	17960	End	18147
GI	none	Score	73
Exons	17960..18001, 17997..18140, 18002..18142, 18009..18140, 18010..18147		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90507	Strand	-
Start	57461	End	57955
Name	OJ000250_87.0310.C2.o9.ts	Method	TBLASTX:Soybean
Start	22423	End	26174
GI	none	Score	103
Exons	22423..22545, 25926..25991, 25983..26174, 26029..26172		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90507	Strand	-
Start	57461	End	57955
Name	OJ000250_87.0310.C2.o5.tw	Method	TBLASTX:Wheat
Start	25999	End	26175
GI	none	Score	121
Exons	25999..26175, 26007..26174		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90507	Strand	-
Start	57461	End	57955
Name	OJ000250_87.0310.C2.o7.tm	Method	TBLASTX:Maize
Start	31517	End	31822
GI	none	Score	237
Exons	31517..31822, 31546..31605, 31654..31818		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90507	Strand	-
Start	57461	End	57955
Name	OJ000250_87.0310.C2.o6.ts	Method	TBLASTX:Soybean
Start	31546	End	32871
GI	none	Score	242
Exons	31546..31818, 31547..31837, 31846..31908, 31873..31911, 32671..32871		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90507	Strand	-
Start	57461	End	57955
Name	OJ000250_87.0310.C2.o8.ts	Method	TBLASTX:Soybean
Start	34589	End	35313
GI	none	Score	74
Exons	34589..34639, 34718..34852, 34958..35089, 34959..35108, 35125..35268, 35140..35265, 35266..35313		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90507	Strand	-
Start	57461	End	57955
Name	OJ000250_87.0310.C2.o2.tw	Method	TBLASTX:Wheat
Start	41489	End	41890

GI	none	Score	218
Exons	41489..41725, 41489..41638, 41590..41730, 41720..41890, 41773..41889		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90507	Strand	-
Start	57461	End	57955
Name	OJ000250_87.0310.C2.o4.tw	Method	TBLASTX:Wheat
Start	43540	End	43901
GI	none	Score	146
Exons	43540..43746, 43558..43743, 43820..43894, 43821..43901		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90507	Strand	-
Start	57461	End	57955
Name	OJ000250_87.0310.C2.o4.ts	Method	TBLASTX:Soybean
Start	48945	End	49524
GI	none	Score	135
Exons	48945..49001, 49065..49163, 49274..49399, 49276..49398, 49403..49522, 49405..49524, 49405..49524		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90507	Strand	-
Start	57461	End	57955
Name	OJ000250_87.0310.C2.o4.tm	Method	TBLASTX:Maize
Start	49297	End	49934
GI	none	Score	300
Exons	49297..49548, 49298..49549, 49350..49550, 49409..49552, 49437..49553, 49878..49934		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90507	Strand	-
Start	57461	End	57955
Name	OJ000250_87.0310.C2.o5.ts	Method	TBLASTX:Soybean
Start	50697	End	53141
GI	none	Score	84
Exons	50697..50753, 50757..50792, 50808..50831, 50945..51088, 50951..51091, 50952..51092, 51188..51295, 51425..51451, 51464..51553, 53015..53140, 53016..53141		

Seq. No.	43197	Seq. ID	OJ000250_87.0310.C2
Gene No.	90507	Strand	-
Start	57461	End	57955
Name	OJ000250_87.0310.C2.o11.gp	Method	AAT/GAP
Start	57461	End	57955
GI	4715860	Score	941
Exons	57461..57955		

Seq. No.	43198	Seq. ID	OJ000250_87.0310.C4
Gene No.	90508	Strand	+
Start	9022	End	15733
Name	OJ000250_87.0310.C4.o4.np	Method	AAT/NAP
Start	9022	End	15719
GI	7340881	Score	464
Exons	9022..9047, 10652..10707, 10800..10898, 10956..11232, 12663..12796, 12902..12932, 15658..15719		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	43198	Seq. ID	OJ000250_87.0310.C4
Gene No.	90508	Strand	+
Start	9022	End	15733
Name	OJ000250_87.0310.C4.o2.gs	Method	GENSCAN
Start	10185	End	11245
GI	none	Score	.9
Exons	10185..10295, 10800..10891, 10936..11245		

Seq. No.	43198	Seq. ID	OJ000250_87.0310.C4
Gene No.	90508	Strand	+
Start	9022	End	15733
Name	OJ000250_87.0310.C4.o2.gp	Method	AAT/GAP
Start	11521	End	11592
GI	1631463	Score	76
Exons	11521..11592		
GI Descrip.	4680178/gb\|AF111709.1\|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	43198	Seq. ID	OJ000250_87.0310.C4
Gene No.	90508	Strand	+
Start	9022	End	15733
Name	OJ000250_87.0310.C4.o5.np	Method	AAT/NAP
Start	12936	End	15733
GI	5734709	Score	83
Exons	12936..13315, 13741..13860, 15672..15733		
GI Descrip.	(AC008075) Contains PF\|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	43198	Seq. ID	OJ000250_87.0310.C4
Gene No.	90508	Strand	+
Start	9022	End	15733
Name	OJ000250_87.0310.C4.o3.gs	Method	GENSCAN
Start	13002	End	13325
GI	none	Score	.8
Exons	13002..13325		

Seq. No.	43198	Seq. ID	OJ000250_87.0310.C4
Gene No.	90508	Strand	+
Start	9022	End	15733
Name	OJ000250_87.0310.C4.o4.gs	Method	GENSCAN
Start	13776	End	14341
GI	none	Score	.71
Exons	13776..13833, 13906..13961, 14116..14250, 14330..14341		

Seq. No.	43198	Seq. ID	OJ000250_87.0310.C4
Gene No.	90508	Strand	+
Start	9022	End	15733
Name	OJ000250_87.0310.C4.o3.gp	Method	AAT/GAP
Start	13797	End	14560
GI	35428_1.R1084	Score	1072
Exons	13797..13833, 13906..13961, 14085..14560		
GI Descrip.	'4680178/gb\|AF111709.1\|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	43198	Seq. ID	OJ000250_87.0310.C4
Gene No.	90509	Strand	-
Start	390	End	2826
Name	OJ000250_87.0310.C4.o1.np	Method	AAT/NAP
Start	390	End	2826
GI	1346396	Score	2572
Exons	390..2826		
GI Descrip.	PUTATIVE RECEPTOR PROTEIN KINASE ZMPK1 PRECURSOR gi\|100913\|pir\|\|S10930 probable receptor protein kinase (EC 2.7.1.-) precursor - maize gi\|22432\|emb\|CAA36611\| (X52384) precursor protein (AA -26 to 791) [Zea mays] gi\|22436\|emb\|CAA47962\| (X67733) receptor-like protein kinase [Zea mays] gi\|226927\|prf\|\|1611404A receptor protein kinase [Zea mays]		

Seq. No.	43198	Seq. ID	OJ000250_87.0310.C4
Gene No.	90510	Strand	-
Start	5004	End	6121
Name	OJ000250_87.0310.C4.o2.np	Method	AAT/NAP
Start	5004	End	6121
GI	6692684	Score	522
Exons	5004..6121		
GI Descrip.	(AC007592) F12K11.21 [Arabidopsis thaliana]		

Seq. No.	43198	Seq. ID	OJ000250_87.0310.C4
Gene No.	90511	Strand	-
Start	7687	End	14249
Name	OJ000250_87.0310.C4.o3.np	Method	AAT/NAP
Start	7687	End	14249
GI	7486433	Score	137
Exons	7687..8064, 9007..9148, 9936..9997, 14213..14249		
GI Descrip.	hypothetical protein F4I1.3 - Arabidopsis thaliana gi\|3128169\|gb\|AAC16073.1\| (AC004521) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43198	Seq. ID	OJ000250_87.0310.C4
Gene No.	90511	Strand	-
Start	7687	End	14249
Name	OJ000250_87.0310.C4.o1.gp	Method	AAT/GAP
Start	9498	End	10007
GI	5867_1.R1084	Score	113
Exons	9498..9586, 9984..10007		
GI Descrip.	'464986/sp\|P35132\|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	43198	Seq. ID	OJ000250_87.0310.C4
Gene No.	90512	Strand	-
Start	15456	End	16681
Name	OJ000250_87.0310.C4.o1.tc	Method	TBLASTX:Cress
Start	396	End	2631
GI	none	Score	119
Exons	396..530, 589..759, 648..761, 780..869, 798..926, 851..925,		

910..969, 962..1123, 985..1164, 1151..1261, 1843..2043, 2273..2296, 2278..2415, 2336..2425, 2431..2529, 2542..2631

Seq. No.	43198	Seq. ID	OJ000250_87.0310.C4
Gene No.	90512	Strand	-
Start	15456	End	16681
Name	OJ000250_87.0310.C4.o2.ts	Method	TBLASTX:Soybean
Start	399	End	1204
GI	none	Score	39
Exons	399..530, 621..713, 723..851, 851..925, 872..982, 910..966, 982..1203, 983..1204		

Seq. No.	43198	Seq. ID	OJ000250_87.0310.C4
Gene No.	90512	Strand	-
Start	15456	End	16681
Name	OJ000250_87.0310.C4.o1.tw	Method	TBLASTX:Wheat
Start	702	End	1114
GI	none	Score	135
Exons	702..869, 703..849, 738..875, 851..925, 855..908, 857..925, 908..985, 910..978, 964..1110, 971..1114		

Seq. No.	43198	Seq. ID	OJ000250_87.0310.C4
Gene No.	90512	Strand	-
Start	15456	End	16681
Name	OJ000250_87.0310.C4.o1.tm	Method	TBLASTX:Maize
Start	723	End	1269
GI	none	Score	66
Exons	723..869, 724..855, 851..925, 910..1185, 1180..1269		

Seq. No.	43198	Seq. ID	OJ000250_87.0310.C4
Gene No.	90512	Strand	-
Start	15456	End	16681
Name	OJ000250_87.0310.C4.o1.ts	Method	TBLASTX:Soybean
Start	5052	End	5855
GI	none	Score	186
Exons	5052..5339, 5053..5328, 5319..5426, 5407..5742, 5412..5855, 5794..5853		

Seq. No.	43198	Seq. ID	OJ000250_87.0310.C4
Gene No.	90512	Strand	-
Start	15456	End	16681
Name	OJ000250_87.0310.C4.o2.tc	Method	TBLASTX:Cress
Start	5064	End	5328
GI	none	Score	67
Exons	5064..5327, 5260..5328		

Seq. No.	43198	Seq. ID	OJ000250_87.0310.C4
Gene No.	90512	Strand	-
Start	15456	End	16681
Name	OJ000250_87.0310.C4.o2.tm	Method	TBLASTX:Maize
Start	5064	End	5351
GI	none	Score	92
Exons	5064..5351, 5068..5337		

Seq. No.	43198	Seq. ID	OJ000250_87.0310.C4
Gene No.	90512	Strand	-
Start	15456	End	16681

Name	OJ000250_87.0310.C4.o5.gs	Method	GENSCAN
Start	15456	End	16681
GI	none	Score	.42
Exons	15456..15953, 16563..16681		

Seq. No.	43199	Seq. ID	OJ000250_86.0307.C14
Gene No.	90514	Strand	-
Start	250	End	1432
Name	OJ000250_86.0307.C14.o1.gs	Method	GENSCAN
Start	250	End	1432
GI	none	Score	.76
Exons	250..521, 612..635, 1302..1432		

Seq. No.	43200	Seq. ID	OJ000250_86.0307.C19
Gene No.	90515	Strand	+
Start	48	End	167
Name	OJ000250_86.0307.C19.o1.gs	Method	GENSCAN
Start	48	End	167
GI	none	Score	.97
Exons	48..167		

Seq. No.	43201	Seq. ID	OJ000250_86.0307.C20
Gene No.	90516	Strand	+
Start	265	End	513
Name	OJ000250_86.0307.C20.o1.gs	Method	GENSCAN
Start	265	End	513
GI	none	Score	.79
Exons	265..283, 344..513		

Seq. No.	43202	Seq. ID	OJ000250_86.0307.C25
Gene No.	90517	Strand	+
Start	2017	End	2253
Name	OJ000250_86.0307.C25.o1.gs	Method	GENSCAN
Start	2017	End	2253
GI	none	Score	.45
Exons	2017..2253		

Seq. No.	43202	Seq. ID	OJ000250_86.0307.C25
Gene No.	90518	Strand	-
Start	2759	End	5481
Name	OJ000250_86.0307.C25.o2.gs	Method	GENSCAN
Start	2759	End	5481
GI	none	Score	.59
Exons	2759..3298, 4471..4661, 5123..5419, 5478..5481		

Seq. No.	43203	Seq. ID	OJ000250_86.0307.C26
Gene No.	90519	Strand	-
Start	1573	End	2272
Name	OJ000250_86.0307.C26.o1.gs	Method	GENSCAN
Start	1573	End	2272
GI	none	Score	.44
Exons	1573..1766, 2221..2272		

Seq. No.	43203	Seq. ID	OJ000250_86.0307.C26
Gene No.	90520	Strand	-
Start	2593	End	3563
Name	OJ000250_86.0307.C26.o1.np	Method	AAT/NAP

Start	2584	End	3563
GI	480314	Score	793
Exons	2584..3563		
GI Descrip.	UDP rhamnose--anthocyanidin-3-glucoside rhamnosyltransferase - garden petunia (fragment) gi\|397567\|emb\|CAA81057\| (Z25802) UDP rhamnose: anthocyanidin-3-glucoside rhamnosyltransferase [Petunia x hybrida]		

Seq. No.	43203	Seq. ID	OJ000250_86.0307.C26
Gene No.	90520	Strand	-
Start	2593	End	3563
Name	OJ000250_86.0307.C26.o2.gs	Method	GENSCAN
Start	2593	End	3537
GI	none	Score	.99
Exons	2593..3537		

Seq. No.	43204	Seq. ID	OJ000250_86.0307.C27
Gene No.	90521	Strand	-
Start	1301	End	2081
Name	OJ000250_86.0307.C27.o1.gs	Method	GENSCAN
Start	1301	End	2081
GI	none	Score	.6
Exons	1301..1791, 1973..2081		

Seq. No.	43205	Seq. ID	OJ000250_86.0307.C28
Gene No.	90522	Strand	+
Start	301	End	1015
Name	OJ000250_86.0307.C28.o1.gs	Method	GENSCAN
Start	301	End	1015
GI	none	Score	.48
Exons	301..364, 925..1015		

Seq. No.	43206	Seq. ID	OJ000250_86.0307.C29
Gene No.	90523	Strand	-
Start	274	End	372
Name	OJ000250_86.0307.C29.o1.gs	Method	GENSCAN
Start	274	End	372
GI	none	Score	.88
Exons	274..372		

Seq. No.	43207	Seq. ID	OJ000250_86.0307.C31
Gene No.	90524	Strand	-
Start	620	End	1477
Name	OJ000250_86.0307.C31.o1.gs	Method	GENSCAN
Start	620	End	1477
GI	none	Score	.48
Exons	620..821, 1119..1477		

Seq. No.	43207	Seq. ID	OJ000250_86.0307.C31
Gene No.	90524	Strand	-
Start	620	End	1477
Name	OJ000250_86.0307.C31.o1.np	Method	AAT/NAP
Start	692	End	952
GI	6539570	Score	139
Exons	692..952		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	43208	Seq. ID	OJ000250_86.0307.C32
Gene No.	90525	Strand	+
Start	1	End	2379
Name	OJ000250_86.0307.C32.o1.np	Method	AAT/NAP
Start	1	End	2160
GI	2982322	Score	355
Exons	1..26, 771..860, 1471..1555, 1757..1851, 2115..2160		
GI Descrip.	(AF051246) probable proteasome subunit [Picea mariana]		

Seq. No.	43208	Seq. ID	OJ000250_86.0307.C32
Gene No.	90525	Strand	+
Start	1	End	2379
Name	OJ000250_86.0307.C32.o1.gs	Method	GENSCAN
Start	771	End	2294
GI	none	Score	.63
Exons	771..860, 1471..1555, 2115..2294		

Seq. No.	43209	Seq. ID	OJ000250_86.0307.C33
Gene No.	90526	Strand	+
Start	197	End	3031
Name	OJ000250_86.0307.C33.o1.gs	Method	GENSCAN
Start	197	End	2960
GI	none	Score	.81
Exons	197..244, 889..1017, 2650..2742, 2852..2960		

Seq. No.	43209	Seq. ID	OJ000250_86.0307.C33
Gene No.	90526	Strand	+
Start	197	End	3031
Name	OJ000250_86.0307.C33.o1.np	Method	AAT/NAP
Start	648	End	3031
GI	7485370	Score	313
Exons	648..739, 888..1052, 1912..2032, 2650..2742, 2852..3031		
GI Descrip.	hypothetical protein F10N7.30 - Arabidopsis thaliana gi\|2827621\|emb\|CAA16573.1\| (AL021636) putative protein [Arabidopsis thaliana] gi\|7270120\|emb\|CAB79934.1\| (AL161580) putative protein [Arabidopsis thaliana]		

Seq. No.	43210	Seq. ID	OJ000250_86.0307.C34
Gene No.	90527	Strand	+
Start	1	End	2420
Name	OJ000250_86.0307.C34.o1.np	Method	AAT/NAP
Start	1	End	2420
GI	7485370	Score	442
Exons	1..87, 197..346, 430..1104, 1271..1435, 1534..1776, 2381..2420		
GI Descrip.	hypothetical protein F10N7.30 - Arabidopsis thaliana gi\|2827621\|emb\|CAA16573.1\| (AL021636) putative protein [Arabidopsis thaliana] gi\|7270120\|emb\|CAB79934.1\| (AL161580) putative protein [Arabidopsis thaliana]		

Seq. No.	43210	Seq. ID	OJ000250_86.0307.C34
Gene No.	90527	Strand	+
Start	1	End	2420
Name	OJ000250_86.0307.C34.o2.np	Method	AAT/NAP
Start	1	End	2420
GI	6598555	Score	391
Exons	1..72, 148..380, 451..1104, 1271..1435, 1534..1776, 2381..2420		
GI Descrip.	(AC006300) unknown protein [Arabidopsis thaliana]		

Seq. No.	43210	Seq. ID	OJ000250_86.0307.C34
Gene No.	90527	Strand	+
Start	1	End	2420
Name	OJ000250_86.0307.C34.o1.gs	Method	GENSCAN
Start	197	End	1776
GI	none	Score	.84
Exons	197..305, 431..1104, 1271..1435, 1534..1776		

Seq. No.	43211	Seq. ID	OJ000250_86.0307.C35
Gene No.	90528	Strand	+
Start	832	End	2485
Name	OJ000250_86.0307.C35.o1.gs	Method	GENSCAN
Start	832	End	2014
GI	none	Score	.77
Exons	832..1050, 1736..2014		

Seq. No.	43212	Seq. ID	OJ000250_86.0307.C36
Gene No.	90530	Strand	-
Start	1054	End	1747
Name	OJ000250_86.0307.C36.o1.gs	Method	GENSCAN
Start	1054	End	1747
GI	none	Score	.69
Exons	1054..1184, 1711..1747		

Seq. No.	43213	Seq. ID	OJ000250_86.0307.C37
Gene No.	90531	Strand	+
Start	1	End	2077
Name	OJ000250_86.0307.C37.o1.np	Method	AAT/NAP
Start	1	End	1933
GI	5902382	Score	275
Exons	1..130, 1255..1436, 1579..1752, 1850..1933		
GI Descrip.	(AC009322) Unknown protein [Arabidopsis thaliana]		

Seq. No.	43213	Seq. ID	OJ000250_86.0307.C37
Gene No.	90531	Strand	+
Start	1	End	2077
Name	OJ000250_86.0307.C37.o1.gs	Method	GENSCAN
Start	324	End	1926
GI	none	Score	.94
Exons	324..480, 1210..1436, 1579..1926		

Seq. No.	43214	Seq. ID	OJ000250_86.0307.C38
Gene No.	90532	Strand	-
Start	1	End	803
Name	OJ000250_86.0307.C38.o1.np	Method	AAT/NAP
Start	1	End	803
GI	7452466	Score	202
Exons	1..62, 143..350, 777..803		
GI Descrip.	hypothetical protein T22A6.160 - Arabidopsis thaliana gi\|5051775\|emb\|CAB45068.1\| (AL078637) putative protein [Arabidopsis thaliana] gi\|7269283\|emb\|CAB79343.1\| (AL161561) putative protein [Arabidopsis thaliana]		

Seq. No.	43214	Seq. ID	OJ000250_86.0307.C38
Gene No.	90532	Strand	-
Start	1	End	803

Name	OJ000250_86.0307.C38.o1.ts	Method	TBLASTX:Soybean
Start	135	End	366
GI	none	Score	137
Exons	135..353, 144..365, 154..366,	160..357	

Seq. No.	43214	Seq. ID	OJ000250_86.0307.C38
Gene No.	90532	Strand	-
Start	1	End	803
Name	OJ000250_86.0307.C38.o1.gp	Method	AAT/GAP
Start	147	End	519
GI	22598_1.R1084	Score	694
Exons	147..519		
GI Descrip.	'5051775/emb\|CAB45068.1\| 4.0e-44 (AL078637) putative protein [Arabidopsis thaliana]'		

Seq. No.	43214	Seq. ID	OJ000250_86.0307.C38
Gene No.	90532	Strand	-
Start	1	End	803
Name	OJ000250_86.0307.C38.o1.tm	Method	TBLASTX:Maize
Start	147	End	374
GI	none	Score	264
Exons	147..368, 147..374		

Seq. No.	43214	Seq. ID	OJ000250_86.0307.C38
Gene No.	90532	Strand	-
Start	1	End	803
Name	OJ000250_86.0307.C38.o1.gs	Method	GENSCAN
Start	147	End	350
GI	none	Score	.96
Exons	147..350		

Seq. No.	43214	Seq. ID	OJ000250_86.0307.C38
Gene No.	90532	Strand	-
Start	1	End	803
Name	OJ000250_86.0307.C38.o1.tc	Method	TBLASTX:Cress
Start	150	End	347
GI	none	Score	37
Exons	150..338, 153..188, 154..333,	213..347	

Seq. No.	43215	Seq. ID	OJ000250_86.0307.C42
Gene No.	90533	Strand	+
Start	466	End	657
Name	OJ000250_86.0307.C42.o1.gs	Method	GENSCAN
Start	466	End	657
GI	none	Score	.6
Exons	466..657		

Seq. No.	43215	Seq. ID	OJ000250_86.0307.C42
Gene No.	90534	Strand	-
Start	1	End	650
Name	OJ000250_86.0307.C42.o1.np	Method	AAT/NAP
Start	1	End	650
GI	6815109	Score	135
Exons	1..56, 346..650		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	43216	Seq. ID	OJ000250_86.0307.C44

Gene No.	90535	Strand	+
Start	118	End	477
Name	OJ000250_86.0307.C44.o1.gs	Method	GENSCAN
Start	118	End	477
GI	none	Score	.78
Exons	118..223, 440..477		

Seq. No.	43216	Seq. ID	OJ000250_86.0307.C44
Gene No.	90536	Strand	+
Start	1368	End	9024
Name	OJ000250_86.0307.C44.o1.np	Method	AAT/NAP
Start	1368	End	7525
GI	2129803	Score	891
Exons	1368..1487, 1629..1703, 2108..2209, 2297..2350, 2520..2612, 2697..2789, 6721..6824, 6935..7033, 7211..7525		
GI Descrip.	probable serine/threonine-specific protein kinase (EC 2.7.1.-) BSK2 - rape gi\|289374\|gb\|AAA33004.1\| (L12394) serine/threonine protein kinase [Brassica napus] gi\|1097354\|prf\|\|2113401B protein kinase [Brassica napus]		

Seq. No.	43216	Seq. ID	OJ000250_86.0307.C44
Gene No.	90536	Strand	+
Start	1368	End	9024
Name	OJ000250_86.0307.C44.o2.gs	Method	GENSCAN
Start	1368	End	9024
GI	none	Score	.83
Exons	1368..1490, 1629..1703, 2108..2209, 2697..2789, 4273..4463, 4564..4629, 4833..4918, 6721..6824, 6935..7033, 7211..7504, 8785..9024		

Seq. No.	43216	Seq. ID	OJ000250_86.0307.C44
Gene No.	90537	Strand	+
Start	10507	End	11752
Name	OJ000250_86.0307.C44.o2.np	Method	AAT/NAP
Start	10507	End	11752
GI	6721543	Score	128
Exons	10507..10637, 11693..11752		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	43216	Seq. ID	OJ000250_86.0307.C44
Gene No.	90537	Strand	+
Start	10507	End	11752
Name	OJ000250_86.0307.C44.o2.gp	Method	AAT/GAP
Start	10521	End	10960
GI	7406_1.R1084	Score	580
Exons	10521..10851, 10886..10960		
GI Descrip.	'1122315/emb\|CAA63901\| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	43216	Seq. ID	OJ000250_86.0307.C44
Gene No.	90538	Strand	+
Start	13533	End	13684
Name	OJ000250_86.0307.C44.o5.gp	Method	AAT/GAP
Start	13533	End	13684
GI	7406_1.R1084	Score	223
Exons	13533..13684		
GI Descrip.	'1122315/emb\|CAA63901\| 7.0e-10 (X94191) heat shock protein 17.0		

[Pennisetum glaucum]'

Seq. No.	43216	Seq. ID	OJ000250_86.0307.C44
Gene No.	90539	Strand	+
Start	15597	End	17565
Name	OJ000250_86.0307.C44.o6.gp	Method	AAT/GAP
Start	15521	End	17565
GI	2384_1.R1084	Score	1338
Exons	15521..15823, 16058..16155, 17230..17565		
GI Descrip.	'676884/dbj\|BAA06151\| 1.0e-25 (D29681) The expression is induced by Pi starvation. [Nicotiana tabacum] >gi_1094819_prf__2106387C Al-induced protein [Nicotiana tabacum]'		

Seq. No.	43216	Seq. ID	OJ000250_86.0307.C44
Gene No.	90539	Strand	+
Start	15597	End	17565
Name	OJ000250_86.0307.C44.o4.gs	Method	GENSCAN
Start	15597	End	17327
GI	none	Score	.88
Exons	15597..15823, 15898..15986, 15991..16155, 17230..17327		

Seq. No.	43216	Seq. ID	OJ000250_86.0307.C44
Gene No.	90539	Strand	+
Start	15597	End	17565
Name	OJ000250_86.0307.C44.o6.np	Method	AAT/NAP
Start	15606	End	17298
GI	3204125	Score	209
Exons	15606..15823, 16058..16155, 17230..17298		
GI Descrip.	(AJ006766) putative Pi starvation-induced protein [Cicer arietinum]		

Seq. No.	43216	Seq. ID	OJ000250_86.0307.C44
Gene No.	90540	Strand	+
Start	18036	End	25431
Name	OJ000250_86.0307.C44.o7.np	Method	AAT/NAP
Start	18030	End	24279
GI	5091614	Score	1143
Exons	18030..18283, 18376..18465, 18993..19074, 19150..19230, 19359..19448, 20079..20201, 20361..20438, 20711..20796, 22287..22335, 22593..22649, 22995..23125, 23205..23288, 23671..23764, 23830..23923, 24077..24279		
GI Descrip.	(AC007454) Contains a PF\|00561 alpha/beta hydrolase fold domain. [Arabidopsis thaliana]		

Seq. No.	43216	Seq. ID	OJ000250_86.0307.C44
Gene No.	90540	Strand	+
Start	18036	End	25431
Name	OJ000250_86.0307.C44.o5.gs	Method	GENSCAN
Start	18036	End	25431
GI	none	Score	.62
Exons	18036..18283, 20361..20382, 20711..20796, 22287..22335, 22995..23125, 23716..23737, 23809..24061, 24822..24862, 25324..25431		

Seq. No.	43216	Seq. ID	OJ000250_86.0307.C44
Gene No.	90541	Strand	-
Start	65	End	777

Name	OJ000250_86.0307.C44.o1.gp	Method	AAT/GAP
Start	65	End	777
GI	none	Score	1196
Exons	65..445, 512..777		

Seq. No.	43216	Seq. ID	OJ000250_86.0307.C44
Gene No.	90542	Strand	-
Start	10437	End	13279
Name	OJ000250_86.0307.C44.o3.gs	Method	GENSCAN
Start	10437	End	13279
GI	none	Score	.67
Exons	10437..10599, 11158..11341, 11492..11694, 11699..11746, 11810..11941, 12188..12285, 12312..12437, 12530..12788, 12865..13163, 13253..13279		

Seq. No.	43216	Seq. ID	OJ000250_86.0307.C44
Gene No.	90542	Strand	-
Start	10437	End	13279
Name	OJ000250_86.0307.C44.o3.gp	Method	AAT/GAP
Start	10903	End	11356
GI	LIB3431-045-P1-N1-A10	Score	840
Exons	10903..11356		
GI Descrip.	'5441876/dbj\|AP000367.1\|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	43216	Seq. ID	OJ000250_86.0307.C44
Gene No.	90542	Strand	-
Start	10437	End	13279
Name	OJ000250_86.0307.C44.o3.np	Method	AAT/NAP
Start	11157	End	11341
GI	7228442	Score	277
Exons	11157..11341		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	43216	Seq. ID	OJ000250_86.0307.C44
Gene No.	90542	Strand	-
Start	10437	End	13279
Name	OJ000250_86.0307.C44.o4.np	Method	AAT/NAP
Start	11460	End	13163
GI	5441880	Score	1653
Exons	11460..11694, 11810..11941, 12188..12285, 12530..12788, 12865..13163		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	43216	Seq. ID	OJ000250_86.0307.C44
Gene No.	90542	Strand	-
Start	10437	End	13279
Name	OJ000250_86.0307.C44.o4.gp	Method	AAT/GAP
Start	12538	End	13037
GI	LIB3475-007-P1-K1-G8	Score	809
Exons	12538..12788, 12865..13037		
GI Descrip.	'5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize		

transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'

Seq. No.	43216	Seq. ID	OJ000250_86.0307.C44
Gene No.	90543	Strand	-
Start	13569	End	13700
Name	OJ000250_86.0307.C44.o5.np	Method	AAT/NAP
Start	13569	End	13700
GI	6721543	Score	93
Exons	13569..13700		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	43216	Seq. ID	OJ000250_86.0307.C44
Gene No.	90544	Strand	-
Start	24679	End	26475
Name	OJ000250_86.0307.C44.o1.tc	Method	TBLASTX:Cress
Start	1361	End	7384
GI	none	Score	111
Exons	1361..1480, 1362..1481, 1626..1712, 2096..2221, 2098..2214, 2282..2350, 2296..2343, 2520..2612, 2522..2611, 2523..2612, 2694..2810, 2696..2785, 2706..2810, 6721..6804, 6723..6773, 6768..6830, 6929..7033, 7210..7305, 7211..7312, 7319..7384		

Seq. No.	43216	Seq. ID	OJ000250_86.0307.C44
Gene No.	90544	Strand	-
Start	24679	End	26475
Name	OJ000250_86.0307.C44.o1.ts	Method	TBLASTX:Soybean
Start	1367	End	7384
GI	none	Score	118
Exons	1367..1480, 1368..1481, 1626..1712, 2096..2221, 2105..2209, 2113..2214, 2282..2350, 2296..2331, 2520..2612, 2522..2611, 2523..2612, 2686..2733, 2694..2810, 2696..2788, 6717..6773, 6721..6804, 6768..6830, 6929..7027, 7201..7284, 7202..7309, 7211..7297, 7319..7384		

Seq. No.	43216	Seq. ID	OJ000250_86.0307.C44
Gene No.	90544	Strand	-
Start	24679	End	26475
Name	OJ000250_86.0307.C44.o3.tm	Method	TBLASTX:Maize
Start	1367	End	7288
GI	none	Score	111
Exons	1367..1480, 1367..1480, 1368..1484, 1368..1484, 1626..1712, 1643..1705, 2096..2221, 2096..2209, 2098..2214, 2282..2350, 2299..2349, 2520..2612, 2521..2631, 2522..2611, 2523..2612, 2694..2810, 2696..2791, 6717..6773, 6721..6777, 6767..6817, 6768..6836, 6929..7033, 6938..7027, 7201..7287, 7202..7288		

Seq. No.	43216	Seq. ID	OJ000250_86.0307.C44
Gene No.	90544	Strand	-
Start	24679	End	26475
Name	OJ000250_86.0307.C44.o1.tw	Method	TBLASTX:Wheat
Start	2099	End	6762
GI	none	Score	127
Exons	2099..2221, 2122..2214, 2282..2350, 2296..2349, 2513..2611, 2520..2612, 2522..2611, 2523..2612, 2694..2810, 2696..2791, 6721..6762		

Seq. No.	43216	Seq. ID	OJ000250_86.0307.C44

Gene No.	90544	Strand	-
Start	24679	End	26475
Name	OJ000250_86.0307.C44.o5.tm	Method	TBLASTX:Maize
Start	18230	End	19439
GI	none	Score	79
Exons	18230..18295, 18231..18284, 18373..18477, 18374..18466, 18376..18477, 18984..19064, 18984..19067, 18991..19077, 18998..19069, 19123..19230, 19125..19229, 19338..19433, 19358..19435, 19359..19439, 19360..19434		

Seq. No.	43216	Seq. ID	OJ000250_86.0307.C44
Gene No.	90544	Strand	-
Start	24679	End	26475
Name	OJ000250_86.0307.C44.o2.ts	Method	TBLASTX:Soybean
Start	19162	End	23090
GI	none	Score	85
Exons	19162..19230, 19164..19220, 19359..19448, 20073..20213, 20078..20200, 20079..20204, 20361..20432, 20366..20434, 20705..20800, 20711..20794, 20719..20796, 22992..23090, 22994..23089		

Seq. No.	43216	Seq. ID	OJ000250_86.0307.C44
Gene No.	90544	Strand	-
Start	24679	End	26475
Name	OJ000250_86.0307.C44.o6.tm	Method	TBLASTX:Maize
Start	20079	End	20769
GI	none	Score	185
Exons	20079..20204, 20080..20226, 20080..20202, 20356..20439, 20360..20443, 20361..20432, 20365..20439, 20390..20446, 20686..20769, 20706..20768		

Seq. No.	43216	Seq. ID	OJ000250_86.0307.C44
Gene No.	90544	Strand	-
Start	24679	End	26475
Name	OJ000250_86.0307.C44.o1.tm	Method	TBLASTX:Maize
Start	22608	End	23737
GI	none	Score	66
Exons	22608..22649, 22992..23126, 22993..23124, 22994..23125, 23175..23294, 23199..23291, 23203..23295, 23669..23737, 23672..23737		

Seq. No.	43216	Seq. ID	OJ000250_86.0307.C44
Gene No.	90544	Strand	-
Start	24679	End	26475
Name	OJ000250_86.0307.C44.o4.tm	Method	TBLASTX:Maize
Start	24103	End	24277
GI	none	Score	205
Exons	24103..24276, 24109..24276, 24119..24277		

Seq. No.	43216	Seq. ID	OJ000250_86.0307.C44
Gene No.	90544	Strand	-
Start	24679	End	26475
Name	OJ000250_86.0307.C44.o7.gp	Method	AAT/GAP
Start	24679	End	25260
GI	3761796	Score	854
Exons	24679..25074, 25193..25260		

Seq. No.	43216	Seq. ID	OJ000250_86.0307.C44
Gene No.	90544	Strand	-
Start	24679	End	26475
Name	OJ000250_86.0307.C44.o2.tm	Method	TBLASTX:Maize
Start	24904	End	26475
GI	none	Score	104
Exons	24904..24933, 24973..25074, 24975..25067, 24979..25074, 25187..25339, 25190..25348, 25194..25346, 26076..26180, 26077..26211, 26305..26475, 26307..26471		

Seq. No.	43217	Seq. ID	OJ000250_86.0307.C45
Gene No.	90545	Strand	+
Start	5155	End	5772
Name	OJ000250_86.0307.C45.o2.np	Method	AAT/NAP
Start	5092	End	5772
GI	7523503	Score	131
Exons	5092..5772		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	43217	Seq. ID	OJ000250_86.0307.C45
Gene No.	90545	Strand	+
Start	5155	End	5772
Name	OJ000250_86.0307.C45.o2.gs	Method	GENSCAN
Start	5155	End	5729
GI	none	Score	.45
Exons	5155..5285, 5462..5729		

Seq. No.	43217	Seq. ID	OJ000250_86.0307.C45
Gene No.	90546	Strand	-
Start	1081	End	3700
Name	OJ000250_86.0307.C45.o1.gp	Method	AAT/GAP
Start	679	End	1765
GI	22598_1.R1084	Score	1549
Exons	679..853, 942..1009, 1102..1308, 1393..1765		
GI Descrip.	'5051775/emb\|CAB45068.1\| 4.0e-44 (AL078637) putative protein [Arabidopsis thaliana]'		

Seq. No.	43217	Seq. ID	OJ000250_86.0307.C45
Gene No.	90546	Strand	-
Start	1081	End	3700
Name	OJ000250_86.0307.C45.o1.gs	Method	GENSCAN
Start	1081	End	3481
GI	none	Score	.97
Exons	1081..1308, 1393..1596, 2441..3481		

Seq. No.	43217	Seq. ID	OJ000250_86.0307.C45
Gene No.	90546	Strand	-
Start	1081	End	3700
Name	OJ000250_86.0307.C45.o1.np	Method	AAT/NAP
Start	1081	End	3448
GI	7452466	Score	1241
Exons	1081..1308, 1393..1596, 2441..3448		
GI Descrip.	hypothetical protein T22A6.160 - Arabidopsis thaliana gi\|5051775\|emb\|CAB45068.1\| (AL078637) putative protein [Arabidopsis thaliana] gi\|7269283\|emb\|CAB79343.1\| (AL161561) putative protein [Arabidopsis thaliana]		

Seq. No.	43217	Seq. ID	OJ000250_86.0307.C45
Gene No.	90546	Strand	-
Start	1081	End	3700
Name	OJ000250_86.0307.C45.o2.gp	Method	AAT/GAP
Start	2992	End	3700
GI	none	Score	1407
Exons	2992..3700		

Seq. No.	43217	Seq. ID	OJ000250_86.0307.C45
Gene No.	90547	Strand	-
Start	5836	End	7449
Name	OJ000250_86.0307.C45.o3.gs	Method	GENSCAN
Start	5836	End	7367
GI	none	Score	.66
Exons	5836..6010, 6881..7052, 7159..7192, 7305..7367		

Seq. No.	43217	Seq. ID	OJ000250_86.0307.C45
Gene No.	90547	Strand	-
Start	5836	End	7449
Name	OJ000250_86.0307.C45.o3.np	Method	AAT/NAP
Start	6874	End	7239
GI	5102600	Score	267
Exons	6874..7094, 7159..7239		
GI Descrip.	(AJ005206) GEG protein [Gerbera hybrida]		

Seq. No.	43217	Seq. ID	OJ000250_86.0307.C45
Gene No.	90547	Strand	-
Start	5836	End	7449
Name	OJ000250_86.0307.C45.o3.gp	Method	AAT/GAP
Start	6926	End	7449
GI	1631639	Score	528
Exons	6926..7052, 7159..7192, 7305..7449		

Seq. No.	43217	Seq. ID	OJ000250_86.0307.C45
Gene No.	90548	Strand	-
Start	8253	End	11348
Name	OJ000250_86.0307.C45.o1.tm	Method	TBLASTX:Maize
Start	1023	End	2659
GI	none	Score	98
Exons	1023..1055, 1072..1179, 1073..1198, 1074..1307, 1155..1334, 1235..1309, 1392..1610, 1393..1614, 1393..1620, 2429..2572, 2435..2659, 2439..2654, 2621..2659		

Seq. No.	43217	Seq. ID	OJ000250_86.0307.C45
Gene No.	90548	Strand	-
Start	8253	End	11348
Name	OJ000250_86.0307.C45.o1.tc	Method	TBLASTX:Cress
Start	1060	End	2779
GI	none	Score	86
Exons	1060..1173, 1072..1113, 1234..1311, 1235..1300, 1396..1584, 1400..1579, 1459..1593, 2558..2779, 2559..2774		

Seq. No.	43217	Seq. ID	OJ000250_86.0307.C45
Gene No.	90548	Strand	-
Start	8253	End	11348
Name	OJ000250_86.0307.C45.o1.ts	Method	TBLASTX:Soybean
Start	1087	End	3160

GI	none	Score	65
Exons	1087..1164, 1234..1311, 1396..1599, 1400..1597, 1406..1600, 1408..1599, 1452..1604, 2438..2536, 2532..2846, 2534..2848, 2826..2993, 2831..3001, 3122..3160		

Seq. No.	43217	Seq. ID	OJ000250_86.0307.C45
Gene No.	90548	Strand	-
Start	8253	End	11348
Name	OJ000250_86.0307.C45.o1.tw	Method	TBLASTX:Wheat
Start	2630	End	2840
GI	none	Score	292
Exons	2630..2839, 2631..2840		

Seq. No.	43217	Seq. ID	OJ000250_86.0307.C45
Gene No.	90548	Strand	-
Start	8253	End	11348
Name	OJ000250_86.0307.C45.o3.tc	Method	TBLASTX:Cress
Start	2822	End	3160
GI	none	Score	129
Exons	2822..3004, 2826..2996, 3125..3160		

Seq. No.	43217	Seq. ID	OJ000250_86.0307.C45
Gene No.	90548	Strand	-
Start	8253	End	11348
Name	OJ000250_86.0307.C45.o2.tw	Method	TBLASTX:Wheat
Start	6812	End	7054
GI	none	Score	202
Exons	6812..6907, 6844..7053, 6863..7051, 6986..7054		

Seq. No.	43217	Seq. ID	OJ000250_86.0307.C45
Gene No.	90548	Strand	-
Start	8253	End	11348
Name	OJ000250_86.0307.C45.o2.tm	Method	TBLASTX:Maize
Start	6868	End	7377
GI	none	Score	271
Exons	6868..7056, 6875..7054, 7160..7192, 7160..7192, 7297..7377, 7309..7377		

Seq. No.	43217	Seq. ID	OJ000250_86.0307.C45
Gene No.	90548	Strand	-
Start	8253	End	11348
Name	OJ000250_86.0307.C45.o2.ts	Method	TBLASTX:Soybean
Start	6868	End	7059
GI	none	Score	131
Exons	6868..7059, 6875..7054		

Seq. No.	43217	Seq. ID	OJ000250_86.0307.C45
Gene No.	90548	Strand	-
Start	8253	End	11348
Name	OJ000250_86.0307.C45.o2.tc	Method	TBLASTX:Cress
Start	6871	End	7059
GI	none	Score	146
Exons	6871..7059, 6875..7054		

Seq. No.	43217	Seq. ID	OJ000250_86.0307.C45
Gene No.	90548	Strand	-
Start	8253	End	11348

Name	OJ000250_86.0307.C45.o4.gs	Method	GENSCAN
Start	8253	End	11348
GI	none	Score	.74
Exons	8253..8371, 8453..8572, 8838..9003, 9889..10159, 10490..10640, 11231..11348		

Seq. No.	43218	Seq. ID	OJ000250_86.0307.C46
Gene No.	90549	Strand	+
Start	1	End	10003
Name	OJ000250_86.0307.C46.o1.np	Method	AAT/NAP
Start	1	End	6471
GI	6587835	Score	1215
Exons	1..128, 5008..5627, 5718..6471		
GI Descrip.	(AC006551) Similar to peptide transporter [Arabidopsis thaliana]		

Seq. No.	43218	Seq. ID	OJ000250_86.0307.C46
Gene No.	90549	Strand	+
Start	1	End	10003
Name	OJ000250_86.0307.C46.o1.gp	Method	AAT/GAP
Start	795	End	897
GI	LIB3477-003-P1-K1-E9	Score	138
Exons	795..897		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	43218	Seq. ID	OJ000250_86.0307.C46
Gene No.	90549	Strand	+
Start	1	End	10003
Name	OJ000250_86.0307.C46.o2.gs	Method	GENSCAN
Start	2503	End	2802
GI	none	Score	.99
Exons	2503..2802		

Seq. No.	43218	Seq. ID	OJ000250_86.0307.C46
Gene No.	90549	Strand	+
Start	1	End	10003
Name	OJ000250_86.0307.C46.o2.np	Method	AAT/NAP
Start	4002	End	10003
GI	7228457	Score	329
Exons	4002..4152, 5084..5411, 6728..6843, 9724..10003		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	43218	Seq. ID	OJ000250_86.0307.C46
Gene No.	90549	Strand	+
Start	1	End	10003
Name	OJ000250_86.0307.C46.o4.gs	Method	GENSCAN
Start	4993	End	6501
GI	none	Score	.99
Exons	4993..5585, 5685..6501		

Seq. No.	43218	Seq. ID	OJ000250_86.0307.C46
Gene No.	90550	Strand	+
Start	10712	End	11947
Name	OJ000250_86.0307.C46.o3.np	Method	AAT/NAP

Start	10712	End	11947
GI	6815109	Score	108
Exons	10712..10832, 11531..11716, 11873..11947		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	43218	Seq. ID	OJ000250_86.0307.C46
Gene No.	90551	Strand	-
Start	8612	End	10646
Name	OJ000250_86.0307.C46.o2.tm	Method	TBLASTX:Maize
Start	3870	End	4677
GI	none	Score	62
Exons	3870..4016, 3979..4080, 3980..4081, 3980..4081, 3981..4082, 4011..4082, 4060..4239, 4082..4132, 4083..4133, 4083..4148, 4138..4197, 4198..4350, 4201..4323, 4416..4445, 4447..4479, 4448..4474, 4483..4626, 4503..4595, 4516..4677		

Seq. No.	43218	Seq. ID	OJ000250_86.0307.C46
Gene No.	90551	Strand	-
Start	8612	End	10646
Name	OJ000250_86.0307.C46.o2.tc	Method	TBLASTX:Cress
Start	3980	End	4329
GI	none	Score	107
Exons	3980..4075, 4083..4151, 4154..4192, 4198..4329		

Seq. No.	43218	Seq. ID	OJ000250_86.0307.C46
Gene No.	90551	Strand	-
Start	8612	End	10646
Name	OJ000250_86.0307.C46.o2.ts	Method	TBLASTX:Soybean
Start	3980	End	4590
GI	none	Score	114
Exons	3980..4075, 3980..4072, 4080..4142, 4083..4133, 4154..4192, 4197..4286, 4198..4323, 4448..4474, 4537..4590		

Seq. No.	43218	Seq. ID	OJ000250_86.0307.C46
Gene No.	90551	Strand	-
Start	8612	End	10646
Name	OJ000250_86.0307.C46.o1.tc	Method	TBLASTX:Cress
Start	5143	End	6459
GI	none	Score	206
Exons	5143..5439, 5731..5859, 5866..6135, 6118..6339, 6352..6459		

Seq. No.	43218	Seq. ID	OJ000250_86.0307.C46
Gene No.	90551	Strand	-
Start	8612	End	10646
Name	OJ000250_86.0307.C46.o1.tm	Method	TBLASTX:Maize
Start	5155	End	6384
GI	none	Score	125
Exons	5155..5277, 5166..5279, 5266..5331, 5322..5426, 5329..5454, 5731..5859, 5869..6105, 6112..6333, 6114..6221, 6340..6384		

Seq. No.	43218	Seq. ID	OJ000250_86.0307.C46
Gene No.	90551	Strand	-
Start	8612	End	10646
Name	OJ000250_86.0307.C46.o1.ts	Method	TBLASTX:Soybean
Start	5155	End	6471
GI	none	Score	312
Exons	5155..5439, 5178..5435, 5730..5888, 5731..6471, 6120..6371		

Seq. No.	43218	Seq. ID	OJ000250_86.0307.C46
Gene No.	90551	Strand	-
Start	8612	End	10646
Name	OJ000250_86.0307.C46.o1.tw	Method	TBLASTX:Wheat
Start	6144	End	6462
GI	none	Score	240
Exons	6144..6338, 6145..6339, 6330..6371, 6331..6462, 6388..6438		

Seq. No.	43218	Seq. ID	OJ000250_86.0307.C46
Gene No.	90551	Strand	-
Start	8612	End	10646
Name	OJ000250_86.0307.C46.o5.gs	Method	GENSCAN
Start	8612	End	10646
GI	none	Score	.57
Exons	8612..8641, 9541..9666, 9820..10065, 10599..10646		

Seq. No.	43219	Seq. ID	OJ000250_86.0307.C47
Gene No.	90552	Strand	+
Start	2315	End	4112
Name	OJ000250_86.0307.C47.o3.np	Method	AAT/NAP
Start	2315	End	4112
GI	6815109	Score	137
Exons	2315..2342, 3486..3818, 4040..4112		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	43219	Seq. ID	OJ000250_86.0307.C47
Gene No.	90552	Strand	+
Start	2315	End	4112
Name	OJ000250_86.0307.C47.o2.gs	Method	GENSCAN
Start	2757	End	3248
GI	none	Score	.78
Exons	2757..2766, 3175..3248		

Seq. No.	43219	Seq. ID	OJ000250_86.0307.C47
Gene No.	90553	Strand	-
Start	1	End	1642
Name	OJ000250_86.0307.C47.o1.np	Method	AAT/NAP
Start	1	End	1642
GI	6983857	Score	1506
Exons	1..243, 274..735, 904..1463, 1526..1642		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	43219	Seq. ID	OJ000250_86.0307.C47
Gene No.	90553	Strand	-
Start	1	End	1642
Name	OJ000250_86.0307.C47.o1.gs	Method	GENSCAN
Start	847	End	1422
GI	none	Score	.93
Exons	847..1422		

Seq. No.	43219	Seq. ID	OJ000250_86.0307.C47
Gene No.	90554	Strand	-
Start	2316	End	4112
Name	OJ000250_86.0307.C47.o2.np	Method	AAT/NAP
Start	2316	End	4112
GI	4680186	Score	191

Exons	2316..2734, 3237..3305, 3993..4112		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	43219	Seq. ID	OJ000250_86.0307.C47
Gene No.	90554	Strand	-
Start	2316	End	4112
Name	OJ000250_86.0307.C47.o3.gs	Method	GENSCAN
Start	3479	End	3685
GI	none	Score	.54
Exons	3479..3685		
Seq. No.	43220	Seq. ID	OJ000250_86.0307.C48
Gene No.	90555	Strand	+
Start	314	End	4589
Name	OJ000250_86.0307.C48.o1.gs	Method	GENSCAN
Start	314	End	4461
GI	none	Score	.68
Exons	314..436, 817..1394, 3497..3609, 4391..4461		
Seq. No.	43220	Seq. ID	OJ000250_86.0307.C48
Gene No.	90555	Strand	+
Start	314	End	4589
Name	OJ000250_86.0307.C48.o3.np	Method	AAT/NAP
Start	2528	End	4589
GI	6721561	Score	133
Exons	2528..2618, 4538..4589		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	43220	Seq. ID	OJ000250_86.0307.C48
Gene No.	90556	Strand	+
Start	7929	End	12001
Name	OJ000250_86.0307.C48.o3.gs	Method	GENSCAN
Start	7929	End	12001
GI	none	Score	.56
Exons	7929..7933, 8017..8107, 8164..8330, 8608..8938, 9182..9205, 11930..12001		
Seq. No.	43220	Seq. ID	OJ000250_86.0307.C48
Gene No.	90557	Strand	-
Start	270	End	3103
Name	OJ000250_86.0307.C48.o1.np	Method	AAT/NAP
Start	270	End	3103
GI	6815109	Score	359
Exons	270..1535, 1604..1710, 3076..3103		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	43220	Seq. ID	OJ000250_86.0307.C48
Gene No.	90557	Strand	-
Start	270	End	3103
Name	OJ000250_86.0307.C48.o2.np	Method	AAT/NAP
Start	2406	End	2495
GI	4680183	Score	119
Exons	2406..2495		

GI Descrip. (AF111709) gag-pol protein [Oryza sativa subsp. indica]

Seq. No.	43220	Seq. ID	OJ000250_86.0307.C48
Gene No.	90558	Strand	-
Start	5599	End	5829
Name	OJ000250_86.0307.C48.o2.gs	Method	GENSCAN
Start	5599	End	5829
GI	none	Score	.57
Exons	5599..5829		

Seq. No.	43220	Seq. ID	OJ000250_86.0307.C48
Gene No.	90559	Strand	-
Start	7004	End	8934
Name	OJ000250_86.0307.C48.o4.np	Method	AAT/NAP
Start	7004	End	8934
GI	4680342	Score	600
Exons	7004..7028, 8367..8934		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	43220	Seq. ID	OJ000250_86.0307.C48
Gene No.	90560	Strand	-
Start	11301	End	11441
Name	OJ000250_86.0307.C48.o5.np	Method	AAT/NAP
Start	11301	End	11441
GI	6815099	Score	96
Exons	11301..11441		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	43221	Seq. ID	OJ000250_86.0307.C49
Gene No.	90561	Strand	+
Start	133	End	592
Name	OJ000250_86.0307.C49.o1.gp	Method	AAT/GAP
Start	133	End	592
GI	LIB3432-030-P1-K1-F5	Score	801
Exons	133..592		
GI Descrip.	'4335739/gb\|AAD17417\| 3.0e-11 (AC006248) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	43221	Seq. ID	OJ000250_86.0307.C49
Gene No.	90561	Strand	+
Start	133	End	592
Name	OJ000250_86.0307.C49.o1.gs	Method	GENSCAN
Start	327	End	563
GI	none	Score	.74
Exons	327..563		

Seq. No.	43221	Seq. ID	OJ000250_86.0307.C49
Gene No.	90562	Strand	+
Start	993	End	1183
Name	OJ000250_86.0307.C49.o2.gp	Method	AAT/GAP
Start	993	End	1183
GI	3768640	Score	209
Exons	993..1111, 1149..1183		
GI Descrip.	4335739/gb\|AAD17417\| 3.0e-11 (AC006248) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	43221	Seq. ID	OJ000250_86.0307.C49

Gene No.	90563	Strand	+
Start	2986	End	5166
Name	OJ000250_86.0307.C49.o2.np	Method	AAT/NAP
Start	2986	End	5166
GI	7228442	Score	412
Exons	2986..3561, 5064..5166		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	43221	Seq. ID	OJ000250_86.0307.C49
Gene No.	90563	Strand	+
Start	2986	End	5166
Name	OJ000250_86.0307.C49.o3.np	Method	AAT/NAP
Start	3073	End	5166
GI	7228438	Score	319
Exons	3073..3561, 5064..5166		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	43221	Seq. ID	OJ000250_86.0307.C49
Gene No.	90564	Strand	-
Start	1	End	2054
Name	OJ000250_86.0307.C49.o1.np	Method	AAT/NAP
Start	1	End	2054
GI	6815056	Score	251
Exons	1..66, 1301..1555, 1898..2054		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	43221	Seq. ID	OJ000250_86.0307.C49
Gene No.	90564	Strand	-
Start	1	End	2054
Name	OJ000250_86.0307.C49.o1.tm	Method	TBLASTX:Maize
Start	180	End	664
GI	none	Score	73
Exons	180..230, 197..229, 221..262, 251..334, 285..308, 370..492, 419..493, 420..503, 471..572, 509..565, 599..664, 601..663		

Seq. No.	43222	Seq. ID	OJ000250_86.0307.C50
Gene No.	90565	Strand	-
Start	1230	End	3399
Name	OJ000250_86.0307.C50.o1.np	Method	AAT/NAP
Start	1230	End	3399
GI	6721516	Score	74
Exons	1230..1269, 3322..3399		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	43222	Seq. ID	OJ000250_86.0307.C50
Gene No.	90566	Strand	-
Start	4594	End	8431
Name	OJ000250_86.0307.C50.o2.gs	Method	GENSCAN
Start	4594	End	8267
GI	none	Score	.79
Exons	4594..4729, 5304..5398, 6188..6314, 7613..7682, 8138..8267		

Seq. No.	43222	Seq. ID	OJ000250_86.0307.C50

Gene No.	90566	Strand	-
Start	4594	End	8431
Name	OJ000250_86.0307.C50.o2.np	Method	AAT/NAP
Start	6683	End	8431
GI	6721512	Score	43
Exons	6683..6701, 8299..8431		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	43223	Seq. ID	OJ000250_86.0307.C51
Gene No.	90567	Strand	+
Start	1636	End	5458
Name	OJ000250_86.0307.C51.o1.np	Method	AAT/NAP
Start	1636	End	5449
GI	6587835	Score	1187
Exons	1636..1747, 1823..2044, 4146..5449		
GI Descrip.	(AC006551) Similar to peptide transporter [Arabidopsis thaliana]		

Seq. No.	43223	Seq. ID	OJ000250_86.0307.C51
Gene No.	90567	Strand	+
Start	1636	End	5458
Name	OJ000250_86.0307.C51.o1.gs	Method	GENSCAN
Start	1651	End	3519
GI	none	Score	.47
Exons	1651..1747, 1823..2040, 2791..2857, 3353..3519		

Seq. No.	43223	Seq. ID	OJ000250_86.0307.C51
Gene No.	90567	Strand	+
Start	1636	End	5458
Name	OJ000250_86.0307.C51.o2.gs	Method	GENSCAN
Start	4163	End	5458
GI	none	Score	.99
Exons	4163..5458		

Seq. No.	43223	Seq. ID	OJ000250_86.0307.C51
Gene No.	90568	Strand	+
Start	8802	End	14495
Name	OJ000250_86.0307.C51.o4.gs	Method	GENSCAN
Start	8802	End	14096
GI	none	Score	.78
Exons	8802..8933, 9682..9756, 11223..11286, 11358..11738, 11937..11993, 12086..12176, 12294..12454, 12527..12654, 12746..12883, 12962..13054, 13146..13263, 13969..14096		

Seq. No.	43223	Seq. ID	OJ000250_86.0307.C51
Gene No.	90568	Strand	+
Start	8802	End	14495
Name	OJ000250_86.0307.C51.o2.gp	Method	AAT/GAP
Start	11472	End	12411
GI	39571_1.R1084	Score	974
Exons	11472..11738, 11937..11993, 12086..12176, 12294..12411		
GI Descrip.	'4803931/gb\|AAD29804.1\|AC006264_12 8.0e-31 (AC006264) unknown protein [Arabidopsis thaliana]'		

Seq. No.	43223	Seq. ID	OJ000250_86.0307.C51
Gene No.	90568	Strand	+
Start	8802	End	14495
Name	OJ000250_86.0307.C51.o3.np	Method	AAT/NAP

Start	11618	End	13325
GI	4803931	Score	839
Exons	11618..11738, 12044..12176, 12294..12454, 12527..12654, 12746..12883, 12962..13054, 13146..13325		
GI Descrip.	(AC006264) unknown protein [Arabidopsis thaliana]		

Seq. No.	43223	Seq. ID	OJ000250_86.0307.C51
Gene No.	90568	Strand	+
Start	8802	End	14495
Name	OJ000250_86.0307.C51.o3.gp	Method	AAT/GAP
Start	13978	End	14495
GI	none	Score	1012
Exons	13978..14495		

Seq. No.	43223	Seq. ID	OJ000250_86.0307.C51
Gene No.	90569	Strand	+
Start	20325	End	20934
Name	OJ000250_86.0307.C51.o4.gp	Method	AAT/GAP
Start	20325	End	20934
GI	57542_1.R1084	Score	569
Exons	20325..20481, 20788..20934		
GI Descrip.	'4263509/gb\|AAD15335\| 1.0e-58 (AC004044) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	43223	Seq. ID	OJ000250_86.0307.C51
Gene No.	90570	Strand	-
Start	6909	End	8583
Name	OJ000250_86.0307.C51.o2.np	Method	AAT/NAP
Start	6147	End	8568
GI	1076285	Score	1457
Exons	6147..6228, 6940..8332, 8386..8568		
GI Descrip.	amidophosphoribosyltransferase - Arabidopsis thaliana gi\|469195\|dbj\|BAA06024.1\| (D28869) amidophosphoribosyltransferase [Arabidopsis thaliana]		

Seq. No.	43223	Seq. ID	OJ000250_86.0307.C51
Gene No.	90570	Strand	-
Start	6909	End	8583
Name	OJ000250_86.0307.C51.o3.gs	Method	GENSCAN
Start	6909	End	8533
GI	none	Score	.67
Exons	6909..8012, 8081..8533		

Seq. No.	43223	Seq. ID	OJ000250_86.0307.C51
Gene No.	90570	Strand	-
Start	6909	End	8583
Name	OJ000250_86.0307.C51.o1.gp	Method	AAT/GAP
Start	8100	End	8583
GI	42536_1.R1084	Score	947
Exons	8100..8583		
GI Descrip.	'4589981/gb\|AAD26498.1\|AC007195_12 7.0e-14 (AC007195) amidophosphoribosyltransferase [Arabidopsis thaliana]'		

Seq. No.	43223	Seq. ID	OJ000250_86.0307.C51
Gene No.	90571	Strand	-
Start	17233	End	19041
Name	OJ000250_86.0307.C51.o4.tc	Method	TBLASTX:Cress

Start	1813	End	2016
GI	none	Score	207
Exons	1813..2016, 1821..2012		

Seq. No.	43223	Seq. ID	OJ000250_86.0307.C51
Gene No.	90571	Strand	-
Start	17233	End	19041
Name	OJ000250_86.0307.C51.o4.ts	Method	TBLASTX:Soybean
Start	1813	End	2081
GI	none	Score	206
Exons	1813..2037, 1821..2081		

Seq. No.	43223	Seq. ID	OJ000250_86.0307.C51
Gene No.	90571	Strand	-
Start	17233	End	19041
Name	OJ000250_86.0307.C51.o2.tm	Method	TBLASTX:Maize
Start	4271	End	5359
GI	none	Score	123
Exons	4271..4417, 4306..4395, 4400..4468, 4483..4566, 4715..4840, 4850..5077, 5078..5359, 5095..5307		

Seq. No.	43223	Seq. ID	OJ000250_86.0307.C51
Gene No.	90571	Strand	-
Start	17233	End	19041
Name	OJ000250_86.0307.C51.o5.tc	Method	TBLASTX:Cress
Start	4271	End	5359
GI	none	Score	194
Exons	4271..4501, 4333..4428, 4486..4566, 5222..5359		

Seq. No.	43223	Seq. ID	OJ000250_86.0307.C51
Gene No.	90571	Strand	-
Start	17233	End	19041
Name	OJ000250_86.0307.C51.o2.ts	Method	TBLASTX:Soybean
Start	4282	End	5359
GI	none	Score	240
Exons	4282..4437, 4295..4501, 4486..4575, 4715..4843, 4744..4842, 4853..5077, 4855..5001, 5078..5308, 5095..5307, 5309..5359		

Seq. No.	43223	Seq. ID	OJ000250_86.0307.C51
Gene No.	90571	Strand	-
Start	17233	End	19041
Name	OJ000250_86.0307.C51.o3.tw	Method	TBLASTX:Wheat
Start	4498	End	4825
GI	none	Score	89
Exons	4498..4578, 4498..4578, 4565..4588, 4694..4825, 4697..4777, 4720..4824		

Seq. No.	43223	Seq. ID	OJ000250_86.0307.C51
Gene No.	90571	Strand	-
Start	17233	End	19041
Name	OJ000250_86.0307.C51.o3.tc	Method	TBLASTX:Cress
Start	4763	End	5218
GI	none	Score	70
Exons	4763..4840, 4780..4839, 4846..5010, 4847..5074, 5048..5218, 5095..5217		

Seq. No.	43223	Seq. ID	OJ000250_86.0307.C51

Gene No.	90571	Strand	-
Start	17233	End	19041
Name	OJ000250_86.0307.C51.o2.tw	Method	TBLASTX:Wheat
Start	5119	End	5496
GI	none	Score	389
Exons	5119..5322, 5120..5458, 5314..5496, 5340..5459		

Seq. No.	43223	Seq. ID	OJ000250_86.0307.C51
Gene No.	90571	Strand	-
Start	17233	End	19041
Name	OJ000250_86.0307.C51.o1.tc	Method	TBLASTX:Cress
Start	6957	End	8329
GI	none	Score	269
Exons	6957..7457, 7015..7455, 7470..7607, 7674..7982, 7711..7953, 7985..8068, 8054..8122, 8058..8117, 8126..8329		

Seq. No.	43223	Seq. ID	OJ000250_86.0307.C51
Gene No.	90571	Strand	-
Start	17233	End	19041
Name	OJ000250_86.0307.C51.o1.ts	Method	TBLASTX:Soybean
Start	6957	End	8326
GI	none	Score	243
Exons	6957..7457, 7012..7455, 7470..7607, 7513..7572, 7659..7871, 7674..7937, 7711..7950, 7985..8068, 7985..8047, 8060..8128, 8061..8105, 8132..8173, 8136..8168, 8219..8326		

Seq. No.	43223	Seq. ID	OJ000250_86.0307.C51
Gene No.	90571	Strand	-
Start	17233	End	19041
Name	OJ000250_86.0307.C51.o3.tm	Method	TBLASTX:Maize
Start	7905	End	8143
GI	none	Score	94
Exons	7905..7982, 7906..7971, 7932..8027, 7985..8143, 7986..8141		

Seq. No.	43223	Seq. ID	OJ000250_86.0307.C51
Gene No.	90571	Strand	-
Start	17233	End	19041
Name	OJ000250_86.0307.C51.o6.tm	Method	TBLASTX:Maize
Start	8168	End	8359
GI	none	Score	86
Exons	8168..8287, 8209..8286, 8219..8329, 8321..8359		

Seq. No.	43223	Seq. ID	OJ000250_86.0307.C51
Gene No.	90571	Strand	-
Start	17233	End	19041
Name	OJ000250_86.0307.C51.o4.tm	Method	TBLASTX:Maize
Start	11584	End	12404
GI	none	Score	164
Exons	11584..11703, 11585..11707, 11931..11981, 11933..11992, 11935..11994, 12085..12174, 12085..12174, 12087..12212, 12268..12402, 12291..12404, 12291..12404		

Seq. No.	43223	Seq. ID	OJ000250_86.0307.C51
Gene No.	90571	Strand	-
Start	17233	End	19041
Name	OJ000250_86.0307.C51.o6.ts	Method	TBLASTX:Soybean
Start	11626	End	12216

GI	none	Score	92
Exons	11626..11703, 11630..11707, 11933..11992, 11935..11997, 12085..12216, 12090..12176		

Seq. No.	43223	Seq. ID	OJ000250_86.0307.C51
Gene No.	90571	Strand	-
Start	17233	End	19041
Name	OJ000250_86.0307.C51.o1.tw	Method	TBLASTX:Wheat
Start	12078	End	12799
GI	none	Score	135
Exons	12078..12188, 12085..12174, 12292..12456, 12297..12467, 12529..12657, 12746..12799		

Seq. No.	43223	Seq. ID	OJ000250_86.0307.C51
Gene No.	90571	Strand	-
Start	17233	End	19041
Name	OJ000250_86.0307.C51.o5.ts	Method	TBLASTX:Soybean
Start	12291	End	12456
GI	none	Score	193
Exons	12291..12455, 12292..12456		

Seq. No.	43223	Seq. ID	OJ000250_86.0307.C51
Gene No.	90571	Strand	-
Start	17233	End	19041
Name	OJ000250_86.0307.C51.o1.tm	Method	TBLASTX:Maize
Start	12405	End	14117
GI	none	Score	73
Exons	12405..12452, 12406..12453, 12525..12659, 12526..12657, 12526..12669, 12745..12885, 12745..12882, 12801..12887, 12959..13054, 12959..13054, 12961..13059, 12961..13056, 13140..13271, 13141..13281, 13145..13246, 13959..14045, 13962..14051, 14028..14117, 14034..14099		

Seq. No.	43223	Seq. ID	OJ000250_86.0307.C51
Gene No.	90571	Strand	-
Start	17233	End	19041
Name	OJ000250_86.0307.C51.o2.tc	Method	TBLASTX:Cress
Start	12418	End	13056
GI	none	Score	49
Exons	12418..12453, 12504..12659, 12526..12657, 12745..12882, 12746..12883, 12751..12885, 12959..13051, 12961..13056, 12961..13056		

Seq. No.	43223	Seq. ID	OJ000250_86.0307.C51
Gene No.	90571	Strand	-
Start	17233	End	19041
Name	OJ000250_86.0307.C51.o3.ts	Method	TBLASTX:Soybean
Start	12558	End	13054
GI	none	Score	104
Exons	12558..12656, 12589..12657, 12721..12876, 12746..12883, 12749..12826, 12959..13054, 12965..13054		

Seq. No.	43223	Seq. ID	OJ000250_86.0307.C51
Gene No.	90571	Strand	-
Start	17233	End	19041
Name	OJ000250_86.0307.C51.o5.gs	Method	GENSCAN
Start	17233	End	19041

GI	none	Score	.51
Exons	17233..17713, 18644..19041		

Seq. No.	43223	Seq. ID	OJ000250_86.0307.C51
Gene No.	90571	Strand	-
Start	17233	End	19041
Name	OJ000250_86.0307.C51.o5.tm	Method	TBLASTX:Maize
Start	18629	End	18907
GI	none	Score	59
Exons	18629..18832, 18756..18833, 18832..18906, 18851..18907		

Seq. No.	43223	Seq. ID	OJ000250_86.0307.C51
Gene No.	90572	Strand	
Start	20789	End	20940
Name	OJ000250_86.0307.C51.o7.tm	Method	TBLASTX:Maize
Start	20789	End	20940
GI	none	Score	184
Exons	20789..20932, 20791..20940, 20793..20939, 20794..20940		

Seq. No.	43224	Seq. ID	OJ000250_86.0307.C55
Gene No.	90573	Strand	-
Start	375	End	605
Name	OJ000250_86.0307.C55.o1.gs	Method	GENSCAN
Start	375	End	605
GI	none	Score	.56
Exons	375..605		

Seq. No.	43225	Seq. ID	OJ000250_86.0307.C60
Gene No.	90574	Strand	+
Start	599	End	751
Name	OJ000250_86.0307.C60.o1.gs	Method	GENSCAN
Start	599	End	733
GI	none	Score	.9
Exons	599..733		

Seq. No.	43226	Seq. ID	OJ000250_86.0307.C62
Gene No.	90575	Strand	+
Start	680	End	1634
Name	OJ000250_86.0307.C62.o1.gs	Method	GENSCAN
Start	680	End	1634
GI	none	Score	.78
Exons	680..710, 1474..1634		

Seq. No.	43227	Seq. ID	OJ000250_86.0307.C63
Gene No.	90577	Strand	+
Start	824	End	1045
Name	OJ000250_86.0307.C63.o1.gs	Method	GENSCAN
Start	824	End	1045
GI	none	Score	.95
Exons	824..1045		

Seq. No.	43228	Seq. ID	OJ000250_86.0307.C64
Gene No.	90578	Strand	+
Start	278	End	995
Name	OJ000250_86.0307.C64.o1.gs	Method	GENSCAN
Start	278	End	995
GI	none	Score	.85

Exons	278..490, 990..995		
Seq. No.	43228	Seq. ID	OJ000250_86.0307.C64
Gene No.	90579	Strand	-
Start	2953	End	3852
Name	OJ000250_86.0307.C64.o2.gs	Method	GENSCAN
Start	2953	End	3852
GI	none	Score	.94
Exons	2953..3069, 3850..3852		
Seq. No.	43229	Seq. ID	OJ000250_86.0307.C65
Gene No.	90580	Strand	-
Start	41	End	149
Name	OJ000250_86.0307.C65.o1.gs	Method	GENSCAN
Start	41	End	149
GI	none	Score	.54
Exons	41..149		
Seq. No.	43230	Seq. ID	OJ000250_86.0307.C66
Gene No.	90582	Strand	+
Start	1035	End	1158
Name	OJ000250_86.0307.C66.o1.gs	Method	GENSCAN
Start	1035	End	1158
GI	none	Score	.63
Exons	1035..1158		
Seq. No.	43231	Seq. ID	OJ000250_86.0307.C71
Gene No.	90583	Strand	+
Start	194	End	732
Name	OJ000250_86.0307.C71.o1.gs	Method	GENSCAN
Start	194	End	732
GI	none	Score	.45
Exons	194..360, 579..599, 642..732		
Seq. No.	43231	Seq. ID	OJ000250_86.0307.C71
Gene No.	90584	Strand	-
Start	174	End	2313
Name	OJ000250_86.0307.C71.o1.np	Method	AAT/NAP
Start	174	End	2313
GI	5922620	Score	230
Exons	174..372, 1453..1766, 2273..2313		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6016853\|dbj\|BAA85196.1\| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	43231	Seq. ID	OJ000250_86.0307.C71
Gene No.	90584	Strand	-
Start	174	End	2313
Name	OJ000250_86.0307.C71.o2.gs	Method	GENSCAN
Start	1919	End	2076
GI	none	Score	.93
Exons	1919..2076		
Seq. No.	43232	Seq. ID	OJ000250_86.0307.C72
Gene No.	90585	Strand	+

Start	1	End	73
Name	OJ000250_86.0307.C72.o1.np	Method	AAT/NAP
Start	1	End	73
GI	6630699	Score	92
Exons	1..73		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	43232	Seq. ID	OJ000250_86.0307.C72
Gene No.	90586	Strand	+
Start	209	End	652
Name	OJ000250_86.0307.C72.o2.np	Method	AAT/NAP
Start	209	End	652
GI	6539570	Score	161
Exons	209..402, 575..652		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	43233	Seq. ID	OJ000250_86.0307.C76
Gene No.	90587	Strand	+
Start	1	End	352
Name	OJ000250_86.0307.C76.o1.np	Method	AAT/NAP
Start	1	End	352
GI	6041833	Score	186
Exons	1..352		
GI Descrip.	(AC009853) unknown protein [Arabidopsis thaliana] gi\|6642634\|gb\|AAF20215.1\|AC012395_2 (AC012395) unknown protein [Arabidopsis thaliana]		

Seq. No.	43233	Seq. ID	OJ000250_86.0307.C76
Gene No.	90587	Strand	+
Start	1	End	352
Name	OJ000250_86.0307.C76.o1.gs	Method	GENSCAN
Start	71	End	319
GI	none	Score	.87
Exons	71..319		

Seq. No.	43234	Seq. ID	OJ000250_86.0307.C77
Gene No.	90589	Strand	+
Start	1	End	911
Name	OJ000250_86.0307.C77.o1.np	Method	AAT/NAP
Start	1	End	584
GI	6056412	Score	130
Exons	1..95, 349..584		
GI Descrip.	(AC009525) Unknown protein [Arabidopsis thaliana]		

Seq. No.	43234	Seq. ID	OJ000250_86.0307.C77
Gene No.	90589	Strand	+
Start	1	End	911
Name	OJ000250_86.0307.C77.o1.gs	Method	GENSCAN
Start	282	End	574
GI	none	Score	.83
Exons	282..574		

Seq. No.	43235	Seq. ID	OJ000250_86.0307.C78
Gene No.	90591	Strand	+
Start	3159	End	3533

Name	OJ000250_86.0307.C78.o1.np	Method	AAT/NAP
Start	3159	End	3533
GI	6539588	Score	193
Exons	3159..3465, 3513..3533		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	43236	Seq. ID	OJ000250_86.0307.C83
Gene No.	90592	Strand	-
Start	351	End	3507
Name	OJ000250_86.0307.C83.o1.gs	Method	GENSCAN
Start	351	End	3507
GI	none	Score	.42
Exons	351..549, 1768..1863, 2318..2419, 2796..2841, 2886..2928, 3385..3507		

Seq. No.	43237	Seq. ID	OJ000250_86.0307.C84
Gene No.	90593	Strand	-
Start	189	End	690
Name	OJ000250_86.0307.C84.o1.gs	Method	GENSCAN
Start	189	End	690
GI	none	Score	.94
Exons	189..370, 589..690		

Seq. No.	43238	Seq. ID	OJ000250_86.0307.C89
Gene No.	90594	Strand	+
Start	1	End	1006
Name	OJ000250_86.0307.C89.o1.np	Method	AAT/NAP
Start	1	End	1006
GI	4680183	Score	79
Exons	1..112, 906..1006		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	43238	Seq. ID	OJ000250_86.0307.C89
Gene No.	90594	Strand	+
Start	1	End	1006
Name	OJ000250_86.0307.C89.o1.gs	Method	GENSCAN
Start	803	End	921
GI	none	Score	.6
Exons	803..921		

Seq. No.	43239	Seq. ID	OJ000250_86.0307.C90
Gene No.	90595	Strand	+
Start	1	End	276
Name	OJ000250_86.0307.C90.o1.np	Method	AAT/NAP
Start	1	End	276
GI	6815109	Score	105
Exons	1..276		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	43239	Seq. ID	OJ000250_86.0307.C90
Gene No.	90596	Strand	-
Start	106	End	232
Name	OJ000250_86.0307.C90.o1.gs	Method	GENSCAN
Start	106	End	232
GI	none	Score	.42
Exons	106..232		

Seq. No.	43240	Seq. ID	OJ000250_86.0307.C92
Gene No.	90597	Strand	+
Start	130	End	510
Name	OJ000250_86.0307.C92.o1.gs	Method	GENSCAN
Start	130	End	510
GI	none	Score	.63
Exons	130..204, 463..510		

Seq. No.	43240	Seq. ID	OJ000250_86.0307.C92
Gene No.	90598	Strand	-
Start	1838	End	1900
Name	OJ000250_86.0307.C92.o2.gs	Method	GENSCAN
Start	1838	End	1900
GI	none	Score	.4
Exons	1838..1900		

Seq. No.	43241	Seq. ID	OJ000250_86.0307.C93
Gene No.	90599	Strand	-
Start	2228	End	2370
Name	OJ000250_86.0307.C93.o1.gs	Method	GENSCAN
Start	2228	End	2370
GI	none	Score	.68
Exons	2228..2370		

Seq. No.	43242	Seq. ID	OJ000250_86.0307.C94
Gene No.	90600	Strand	+
Start	416	End	760
Name	OJ000250_86.0307.C94.o1.gs	Method	GENSCAN
Start	416	End	760
GI	none	Score	.52
Exons	416..423, 604..760		

Seq. No.	43243	Seq. ID	OJ000250_86.0307.C95
Gene No.	90601	Strand	+
Start	1	End	106
Name	OJ000250_86.0307.C95.o1.np	Method	AAT/NAP
Start	1	End	106
GI	6815099	Score	83
Exons	1..106		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	43243	Seq. ID	OJ000250_86.0307.C95
Gene No.	90602	Strand	+
Start	1141	End	1218
Name	OJ000250_86.0307.C95.o2.np	Method	AAT/NAP
Start	1141	End	1218
GI	6630699	Score	73
Exons	1141..1218		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	43243	Seq. ID	OJ000250_86.0307.C95
Gene No.	90603	Strand	-
Start	1357	End	1456
Name	OJ000250_86.0307.C95.o3.np	Method	AAT/NAP
Start	1357	End	1456

GI	5922619	Score	102
Exons	1357..1456		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016852\|dbj\|BAA85195.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	43244	Seq. ID	OJ000250_86.0307.C96
Gene No.	90604	Strand	-
Start	422	End	550
Name	OJ000250_86.0307.C96.o1.gs	Method	GENSCAN
Start	422	End	550
GI	none	Score	.43
Exons	422..550		

Seq. No.	43245	Seq. ID	OJ000250_86.0307.C97
Gene No.	90605	Strand	+
Start	719	End	1132
Name	OJ000250_86.0307.C97.o1.gs	Method	GENSCAN
Start	719	End	1132
GI	none	Score	.81
Exons	719..753, 892..1132		

Seq. No.	43246	Seq. ID	OJ000250_86.0307.C99
Gene No.	90606	Strand	-
Start	43	End	109
Name	OJ000250_86.0307.C99.o1.gs	Method	GENSCAN
Start	43	End	109
GI	none	Score	.76
Exons	43..109		

Seq. No.	43247	Seq. ID	OJ000250_86.0307.C100
Gene No.	90608	Strand	+
Start	1	End	2767
Name	OJ000250_86.0307.C100.o1.np	Method	AAT/NAP
Start	1	End	2767
GI	5852175	Score	127
Exons	1..71, 2004..2052, 2584..2767		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	43247	Seq. ID	OJ000250_86.0307.C100
Gene No.	90608	Strand	+
Start	1	End	2767
Name	OJ000250_86.0307.C100.o1.gs	Method	GENSCAN
Start	545	End	1620
GI	none	Score	.74
Exons	545..598, 1495..1620		

Seq. No.	43247	Seq. ID	OJ000250_86.0307.C100
Gene No.	90609	Strand	-
Start	1458	End	2932
Name	OJ000250_86.0307.C100.o2.np	Method	AAT/NAP
Start	1458	End	2932
GI	5852180	Score	53
Exons	1458..1657, 2826..2932		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	43247	Seq. ID	OJ000250_86.0307.C100

Gene No.	90609	Strand	-
Start	1458	End	2932
Name	OJ000250_86.0307.C100.o2.gs	Method	GENSCAN
Start	2000	End	2729
GI	none	Score	.96
Exons	2000..2148, 2579..2729		

Seq. No.	43247	Seq. ID	OJ000250_86.0307.C100
Gene No.	90610	Strand	-
Start	3409	End	5940
Name	OJ000250_86.0307.C100.o3.gs	Method	GENSCAN
Start	3409	End	5940
GI	none	Score	.71
Exons	3409..3552, 4360..4693, 4831..4913, 5001..5260, 5871..5940		

Seq. No.	43247	Seq. ID	OJ000250_86.0307.C100
Gene No.	90610	Strand	-
Start	3409	End	5940
Name	OJ000250_86.0307.C100.o3.np	Method	AAT/NAP
Start	4603	End	5681
GI	6539555	Score	924
Exons	4603..4913, 5001..5681		
GI Descrip.	(AP000836) Similar to mariner transposase (AF078934) [Oryza sativa] gi\|6539592\|dbj\|BAA88208.1\| (AP000837) Similar to mariner transposase (AF078934) [Oryza sativa]		

Seq. No.	43248	Seq. ID	OJ000250_86.0307.C101
Gene No.	90611	Strand	-
Start	1	End	848
Name	OJ000250_86.0307.C101.o1.np	Method	AAT/NAP
Start	1	End	818
GI	421948	Score	540
Exons	1..818		
GI Descrip.	UDP rhamnose--anthocyanidin-3-glucoside rhamnosyltransferase - garden petunia		

Seq. No.	43248	Seq. ID	OJ000250_86.0307.C101
Gene No.	90611	Strand	-
Start	1	End	848
Name	OJ000250_86.0307.C101.o1.gs	Method	GENSCAN
Start	38	End	848
GI	none	Score	.63
Exons	38..585, 669..848		

Seq. No.	43249	Seq. ID	OJ000250_86.0307.C102
Gene No.	90612	Strand	+
Start	1264	End	1437
Name	OJ000250_86.0307.C102.o1.gs	Method	GENSCAN
Start	1264	End	1437
GI	none	Score	.76
Exons	1264..1437		

Seq. No.	43249	Seq. ID	OJ000250_86.0307.C102
Gene No.	90613	Strand	-
Start	1	End	3784
Name	OJ000250_86.0307.C102.o1.np	Method	AAT/NAP
Start	1	End	3784

GI	6691193	Score	422
Exons	1..46, 2463..2736, 2780..3035, 3728..3784		
GI Descrip.	(AC007534) F7F22.17 [Arabidopsis thaliana]		

Seq. No.	43249	Seq. ID	OJ000250_86.0307.C102
Gene No.	90613	Strand	-
Start	1	End	3784
Name	OJ000250_86.0307.C102.o2.gs	Method	GENSCAN
Start	2806	End	3030
GI	none	Score	.95
Exons	2806..3030		

Seq. No.	43250	Seq. ID	OJ000250_86.0307.C103
Gene No.	90614	Strand	+
Start	165	End	382
Name	OJ000250_86.0307.C103.o1.gs	Method	GENSCAN
Start	165	End	382
GI	none	Score	.48
Exons	165..382		

Seq. No.	43250	Seq. ID	OJ000250_86.0307.C103
Gene No.	90615	Strand	-
Start	1054	End	1182
Name	OJ000250_86.0307.C103.o2.gs	Method	GENSCAN
Start	1054	End	1182
GI	none	Score	.58
Exons	1054..1182		

Seq. No.	43251	Seq. ID	OJ000250_86.0307.C104
Gene No.	90616	Strand	+
Start	1643	End	1871
Name	OJ000250_86.0307.C104.o2.np	Method	AAT/NAP
Start	1643	End	1871
GI	4680186	Score	172
Exons	1643..1871		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	43251	Seq. ID	OJ000250_86.0307.C104
Gene No.	90617	Strand	-
Start	1	End	2082
Name	OJ000250_86.0307.C104.o1.np	Method	AAT/NAP
Start	1	End	2082
GI	4388825	Score	263
Exons	1..44, 166..514, 2049..2082		
GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	43251	Seq. ID	OJ000250_86.0307.C104
Gene No.	90617	Strand	-
Start	1	End	2082
Name	OJ000250_86.0307.C104.o1.gs	Method	GENSCAN
Start	878	End	1698
GI	none	Score	.44
Exons	878..906, 1587..1698		

Seq. No.	43252	Seq. ID	OJ000250_86.0307.C108
Gene No.	90618	Strand	+